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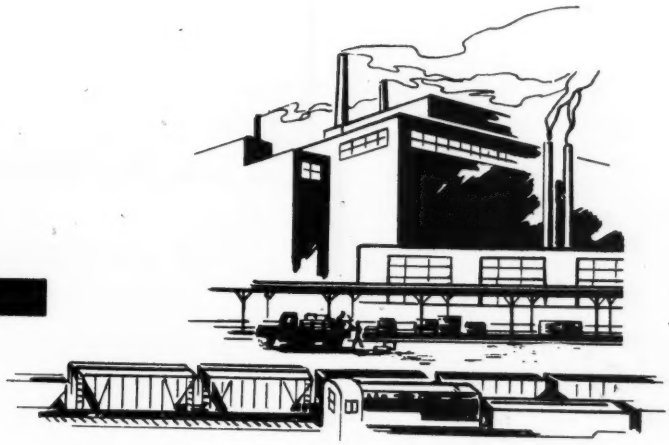

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EDITORIAL:

This edition was a coordinated effort of the U.S. Army Signal Corps and Data Publications to bring to both Signal Corps procurement officers and Signal Corps contractors a really useful reference book. Both Signal Corps and Data hope you will use this book frequently and to your advantage.

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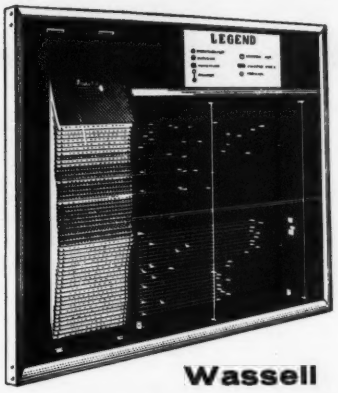

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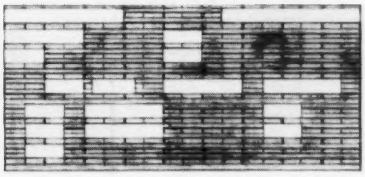

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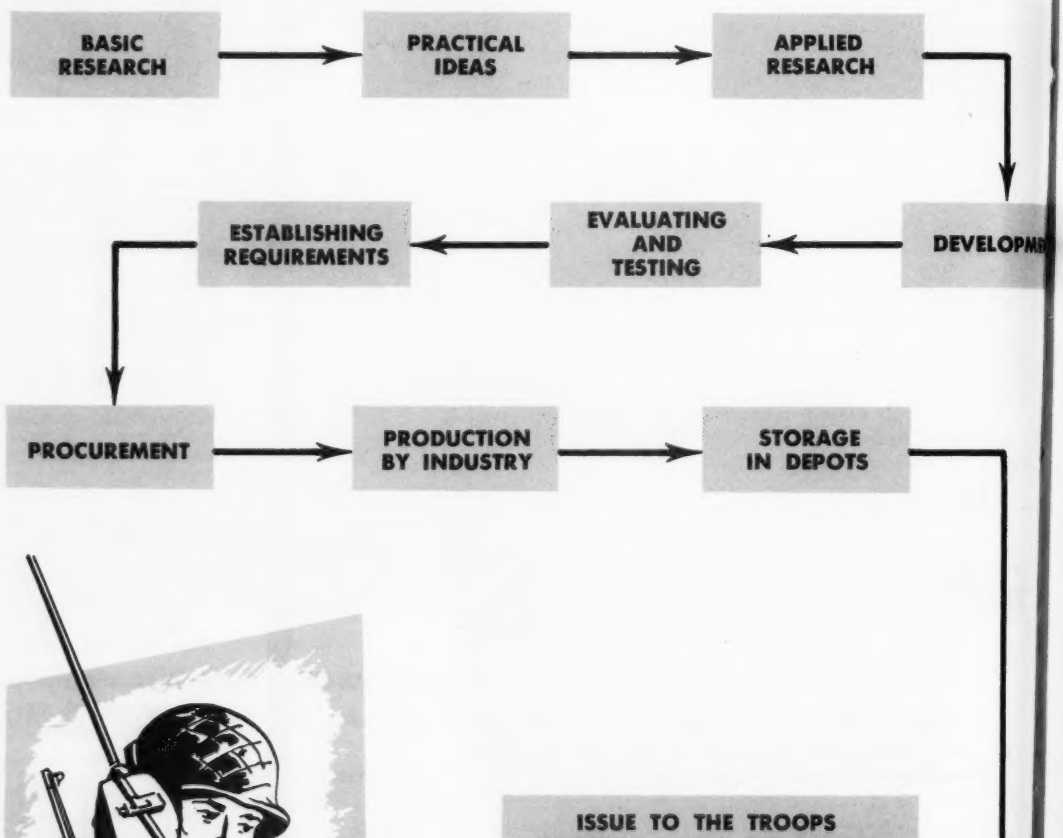

A MESSAGE

from the Chief Signal Officer

New concepts of warfare, the requirements of tomorrow's armies, make it vital that we tax our ingenuity to the utmost, to keep pace with progress in other fields.

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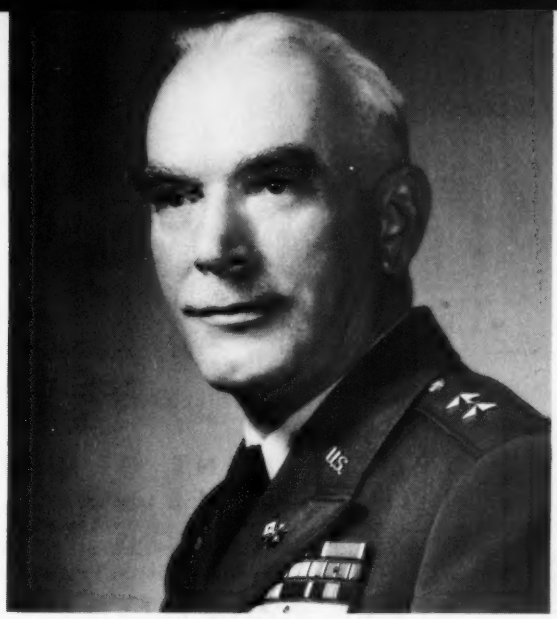
R. T. NELSON
Major General, USA
Chief Signal Officer



MAJ. GENERAL R. T. NELSON

Major General R. T. Nelson served with distinction in both the European and Far East Theaters of Operation during World War II. He subsequently commanded Fort Gordon and Fort Huachuca. His extensive military was climaxed, early in 1959, with his appointment as the 18th Chief Signal Officer of the U. S. Army. A native of Lebanon, Indiana, General Nelson was born June 19, 1902. He is a graduate of West Point, Class of 1928.

BRIG. GENERAL EARLE F. COOK

Brigadier General Earle F. Cook, formerly Chief of R&D for the Army Signal Corps, spent a significant portion of his career in the Signal Intelligence Service. He later served as Commanding Officer of the White Sands Signal Corps Agency and the Army Electronic Proving Grounds, and as Commanding General of the U. S. Army Signal Research & Development Laboratory. He was appointed Deputy Chief Signal Officer in 1959. Born in Brooklyn November 8, 1907, he was graduated from the U. S. Military Academy in 1931.

...and his Deputy

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MAJ. GENERAL HERBERT L. SCOFIELD

Provides Signal logistical support to the Army, other branches of the Service and Government agencies. Serves as a focal point for all matters concerned with Foreign Military Aid as it applies to the U. S. Army Signal equipment and services. Exercises staff and technical supervision over the U. S. Army Signal Supply Agency, Signal Corps branch depots, the U. S. Army Signal Equipment Support Agency, the U. S. Army Signal Avionics Liaison Office, and in coordination with the Navy and Air Force, the Armed Services Electro-Standards Agency. Provides technical supervision to Signal supply sections of general depots.

Major General Herbert L. Scofield has significant background in procurement, stock control, distribution and management. A graduate of the University of Michigan with a BS in electrical engineering, Gen. Scofield also attended the Advanced Management Course at the Harvard Business College and graduated from the Industrial College of the Armed Forces. His career has included such posts as the Port Signal Officer of San Juan, Commander of the Baltimore Signal Depot, and deputy for stock control at USASSA in Philadelphia. He is presently Chief of Procurement and Distribution, OCSigO. Born July 27, 1905 in Leoni, Michigan, he received his commission through the ROTC at the University of Michigan in 1929.

MISSION

of the U.S. Army Signal Corps Research and Development Division

BRIG. GENERAL JOHN C. MONAHAN

To conduct continuing research in all fields of physical science leading to the development of new techniques, and the design and improvement of communication, radar, electronic countermeasures, automatic data processing, radiological, meterology, photographic, drones, and other surveillance equipments, related components, and special electronic and solid state devices for the United States Army (and for other U. S. governmental agencies when so directed by competent authority); and, within established national policy, equipment material and systems for communications security; to provide consulting service to the Chief Signal Officer in these technical fields; and to plan programs in these areas.

Brigadier General John C. Monahan was a key member of the Combined Communications Board during the planning and early stages of the Normandy invasion, and served with distinction in the European theatre in France and Germany. After staff schooling in the United States in 1953 he was transferred to the Far East to become U. S. Chairman of the Communication/Frequency Sub-Committees. He is presently Chief of Research and Development, OCSigO. He was born Nov. 17, 1906, in Chatsworth, Illinois, and received a BS in Electrical Engineering and his commission through the ROTC at the University of Illinois in 1931.

BRIG. GEN. ELMER L. LITTELL
Commanding General, USASSA

Served Army Signal Corps as Deputy Signal Officer, 1st Army, WW II; G-4 and Signal Officer in Philippines; R & D in Engineering Laboratories, Fort Monmouth, N. J., and Comptroller for OCSigO, Washington, D. C. Is skilled Logistics Officer. Has occupied present position since June 1957. Attained rank of Brig. Gen. March 1959. Presented with Dept. of Defense Certificate of Achievement, Signal Corps Day 1959. Holds Legion of Merit, Bronze Star Medal, and numerous other decorations. Attended University of Michigan and advanced military courses.

Exterior View of the U.S. Army Signal Supply Agency, 225 S. 18th St., Philadelphia, Pa.

. . . An Invitation

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The door which leads to sharing in our supply program is always open to top quality producers.

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New contractors who feel they can manufacture Army Signal Corps items are welcome to visit our Headquarters or any of our Regional Offices which have been strategically located so as to facilitate doing business with contractors in those geographic areas . . . for details on location, whom to see, and types of contracts awarded see adjoining pages 15 and 16. At each of our offices you will find a Small Business Specialist and Industrial Relations Officer ready to assist you in getting on our bidders' list. They will furnish counsel and guidance on policy procedures and methods involved in becoming a qualified, responsive and responsible supplier.

The Small Business Specialist maintains a list of recent awards reflecting the names and locations of

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successful bidders. This list may be reviewed with the visiting contractor who may be interested in initiating direct negotiations with prime contractors to obtain a sub-contract or be placed on the list for future consideration. During Fiscal Year 1959 Small Business concerns were awarded prime contracts estimated to exceed 77 million dollars.

You are invited to use the tear-out postal card placed adjacent to page 38 for requesting the required forms for placement on our bidders' list. If you are already on our list be sure that the records of your production capabilities and facilities are current. USASSA has mechanized its bidders' list to assure an equitable opportunity to all firms to be solicited on a rotation basis. Opportunities to bid are also given to contractors not on our bidders' list who learn of our procurement requirements while examining our bid boards or read about them in published announcements.

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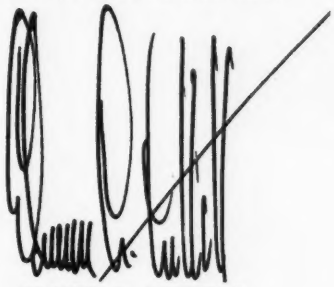

ELMER L. LITTELL
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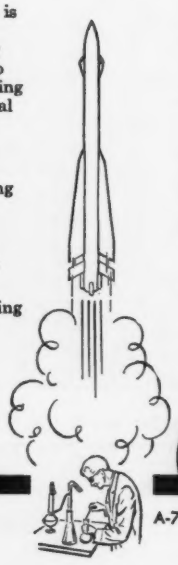

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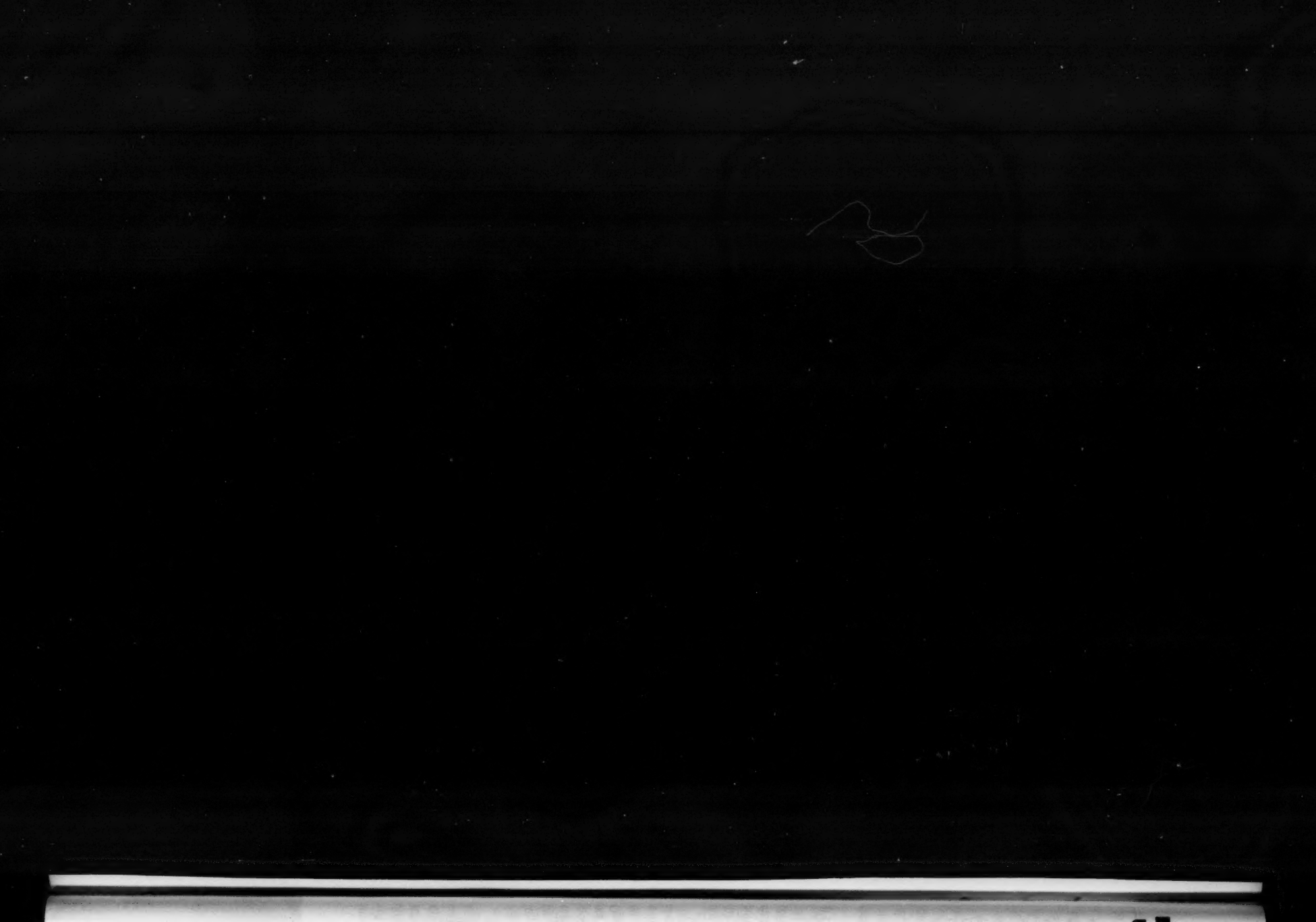

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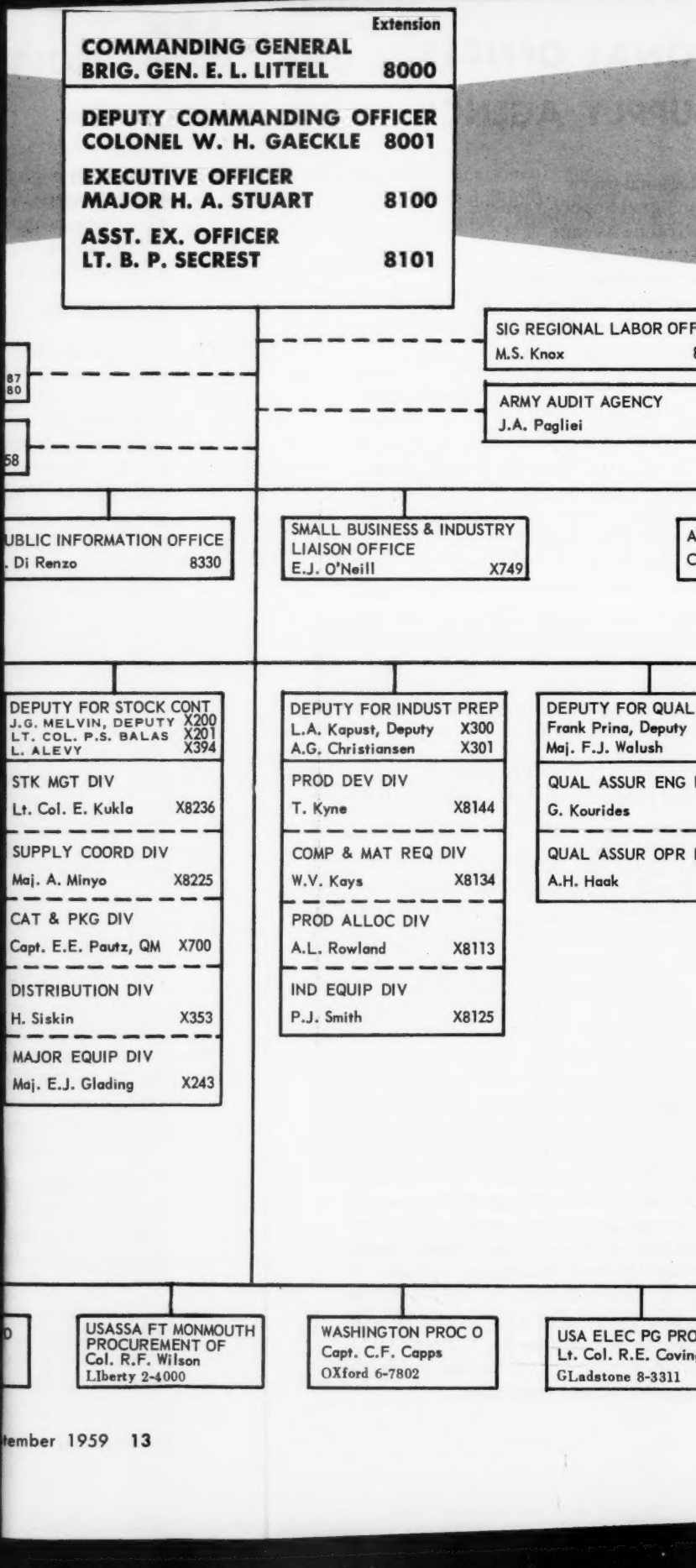
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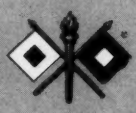

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ARMY AVN. OFFICER
Capt. D.J. Haid 8331

COMPTROLLER
M.H. Ullery 8200
A.W. Fisher, Deputy 8201

FINAN MGT BD SECRETARIAT
Capt. M.C. Jordan 562

INTERNAL REVIEW
M.J. Savar 8111

ASST COMPT MGMT
F.J. Hickey 8284

MGMT ENG DIV
N. Shapiro 8348

P R & A DIV
Capt. F.J. Sheriff 8326

FUNDS & BUDGET DIV
M.P. Mayrides 8343

ASST COMPT F & A
Lt. Col. C.C. Green 8355

ACCOUNTING DIV
W.P. McCarthy 8366

DISBURSING DIV.
Mrs. V. Staller 288

EXAMINATION DIV
J.L. Venuto 671

QUAL ASSUR
puty X600
h X601

ENG DIV
X639

OPR DIV
X653

DEPUTY for Int DATA Proc
Col. D.O. Toft, Mil.Dep. X8353
J.Bergman, Civ. Dep. X 231
J.L. Gurmankin X 232

ADPS DIV
H.C. Hoffman X8109

EAMS DIV
C. Apple X265
A. Cooper X265

APPLN ANALYSIS DIV
H. Beyer X8221

G PROC O
Covington
311

WESTERN REG O
Col. B.R. Painter
MUrray 1-8471

HEADQUARTERS AND REGIONAL OFFICES OF THE U.S. ARMY SIGNAL SUPPLY AGENCY

Headquarters, U. S. Army Signal Supply Agency
225 South 18th Street
Philadelphia 3, Pennsylvania
Telephone: Kingsley 6-3200

Brig. Gen. Elmer L. Littell, Commanding

Practically all production and industrial preparedness measure contracts are placed by the Headquarters, U. S. Army Signal Supply Agency (USASSA), including first time production upon completion of the development phase, and technical representative contracts for the maintenance of field equipment.

A bid display board is maintained. An invitation to get on USASSA's bidders' lists is extended to all interested contractors.

Contractors in the New York area may obtain procurement assistance by visiting the New York Office of USASSA located at 46th and Northern Boulevard, Long Island City 1, New York.

Midwestern Regional Office
U. S. Army Signal Supply Agency
615 West Van Buren Street
Chicago 7, Illinois
Telephone: Andover 3-0234

Colonel Carl A. Cuphaver, Commanding

This office has sole procurement responsibility for approximately 40,000 items of communication and electronics equipments covering 23 major commodity groups, including telephone, teletype, electrical components and hardware, antennas, photographic equipment and supplies, meterological equipment, waveguides, and related equipment. It is responsible for contract administration, industrial preparedness and quality assurance activities for an area comprising twenty states. Over 1800 contracts having a total value of over 350 million dollars are currently being administered. It maintains a bid display facility, displaying all bid solicitations generated at Headquarters, USASSA, and other Army Signal Corps purchasing offices.

Western Regional Office
U. S. Army Signal Supply Agency
125 South Grande Avenue
Pasadena 2, California
Telephone: Sycamore 6-0471
Colonel Brookman R. Painter, Commanding

The Western Regional Office is responsible for the administration of Army Signal Corps contracts placed with firms within the 11 state area which includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. However, it does not have an awarding mission. Administration includes modifications, pricing, expediting and the maintenance of government property records. It also has quality assurance responsibilities on the west coast. West Coast suppliers are encouraged to visit this office for assistance in contract clarification, for guidance in getting on the bidders' lists, and for counsel in submitting bids on current solicitation. A bid display board is maintained showing all current Army Signal Corps procurements.

U. S. Army Electronic Proving Ground
Procurement Office, U. S. Army Signal Supply Agency
Fort Huachuca, Arizona
Telephone: Gladstone 8-3311
Lt. Colonel R. E. Covington, Commanding

Responsibility for placing and administering special equipment contracts and contracts for services and studies as required for performance of the mission assigned to the U. S. Army Electronic Proving Ground—See map, page 21 for mission statement of USAEPG. Purchases commercial type signal equipment and supplies in support of U. S. Army Missile Support Agency, White Sands, New Mexico for which local procurement authority exists.

Contractors engaged in individual private R&D programs on equipments and systems having application to Army needs are encouraged to submit unsolicited proposals to the **USAEPGPO, U. S. Army Signal Supply Agency, P. O. Box 748, Fort Huachuca, Arizona.** Be assured that your proprietory rights will be protected and that ensuing contracts, if warranted, may be sole source for further development or in-service test if within the scope of current procurement regulations.

U. S. Army Signal Supply Agency
Ft. Monmouth Procurement Office
Fort Monmouth, New Jersey
Telephone: Liberty 2-4000
Extension 51115

Colonel Robert F. Wilson, Commanding

Processes prime contracts for research and development in the fields of Communication, Radar, Surveillance, Electrical and Electronic Components, and other related fields. These procurements are normally initiated by the U. S. Army Signal Research and Development Laboratory. The Support Purchases Branch processes certain electronic supply contracts for the Laboratory as well as items of a "housekeeping nature" for the U. S. Army Signal Garrison, Ft. Monmouth, N. J.

To assist the Contractor, interviews are held to instruct and inform him of function of the procurement office and how he might proceed to do business.

In order to place the contractor on the bidders' list for Research and Development, a copy of "Prospective Contractors' Guide" together with a field of interest form is furnished. A Bidder's Mailing List Application, Standard Form 129, is required to register in the Bidders' List of Support Purchases Branch.

When a requirement for a particular type of service or commodity arises, a properly registered firm is given consideration as a potential source of supply.

Wherever and whenever possible appointments are arranged to bring together the contractor and interested technical personnel of the U. S. Army Signal Research and Development Laboratory to permit the contractor an opportunity of presenting his services or commodity to those most interested or in need.

All available current literature is furnished to the contractor to assist him obtain consideration as a potential supplier of the Army Signal Corps and other U. S. Government Agencies.

The office processed procurements during FY-1959 amounting to 246 millions which includes all R&D, service test, and support purchases for R&D program at Laboratories.

Washington Procurement Office
U. S. Army Signal Supply Agency
Main Navy Building (Munitions Building), Room 2603
Washington 25, D. C.
Telephone: Oxford 6-7802—6-5254

Captain C. F. Capps, Commanding

As a special mission procurement activity, this office serves agencies located at the seat of government. It does NOT place production contracts nor contracts involving items of military specifications. It primarily buys standard commercial communications equipments and materials, as well as procurements for technical services, installations of fixed-plant communications equipment and equipment leases.

Other Army Signal Corps buying offices **not** part of U. S. Army Signal Supply Agency.

U. S. Army Alaska Communications System
550 Federal Office Building
Seattle 4, Washington
Telephone: Mutual 2-3300
Colonel Carl Hatch, Commanding

Contracts for installations and maintenance of the Alaska Communications System.

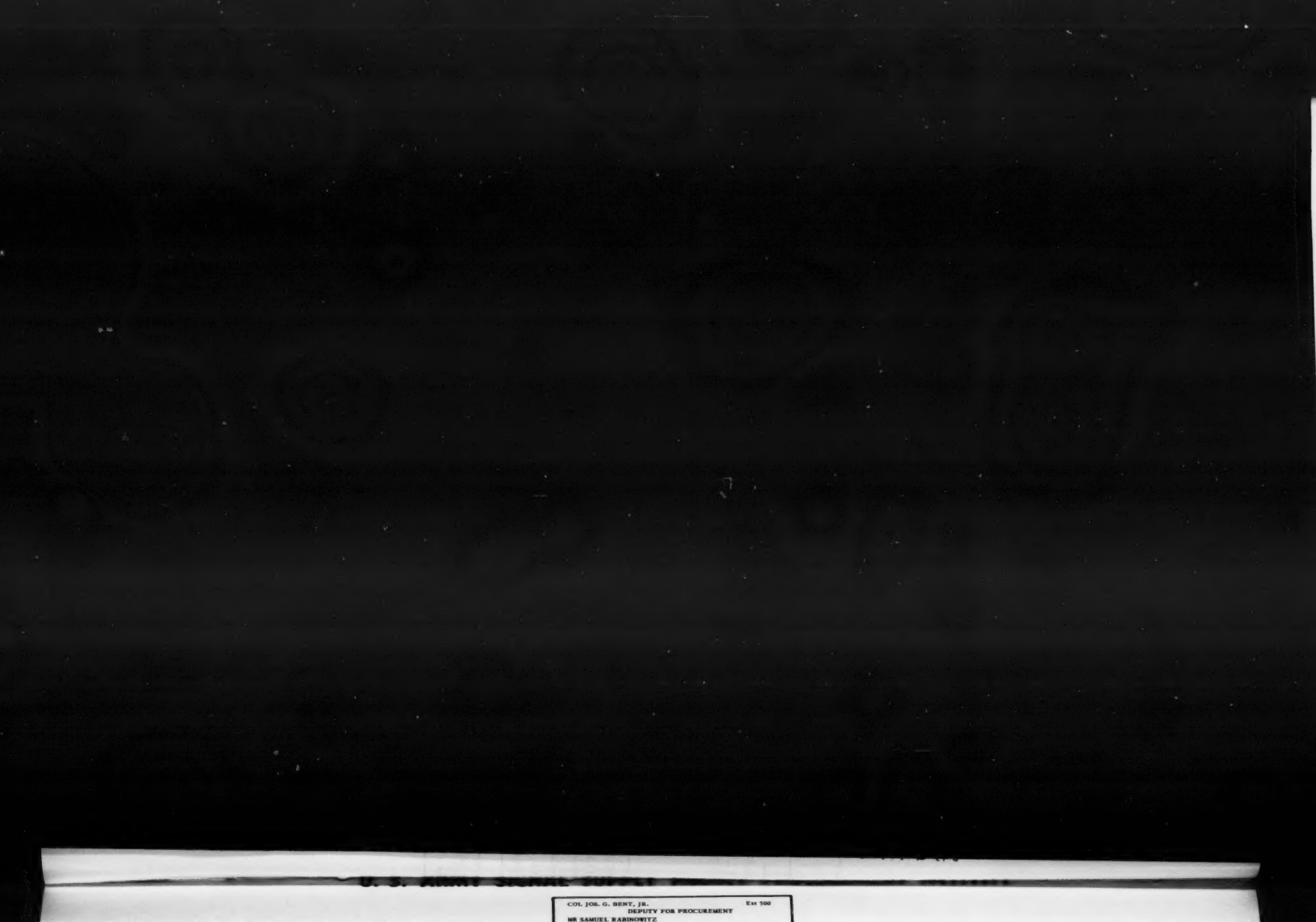
Army Pictorial Center
35-11 Thirty-fifth Avenue
Astoria, Long Island City, New York
Telephone: Ravenswood 6-2000
Colonel John H. Fulton, Commanding

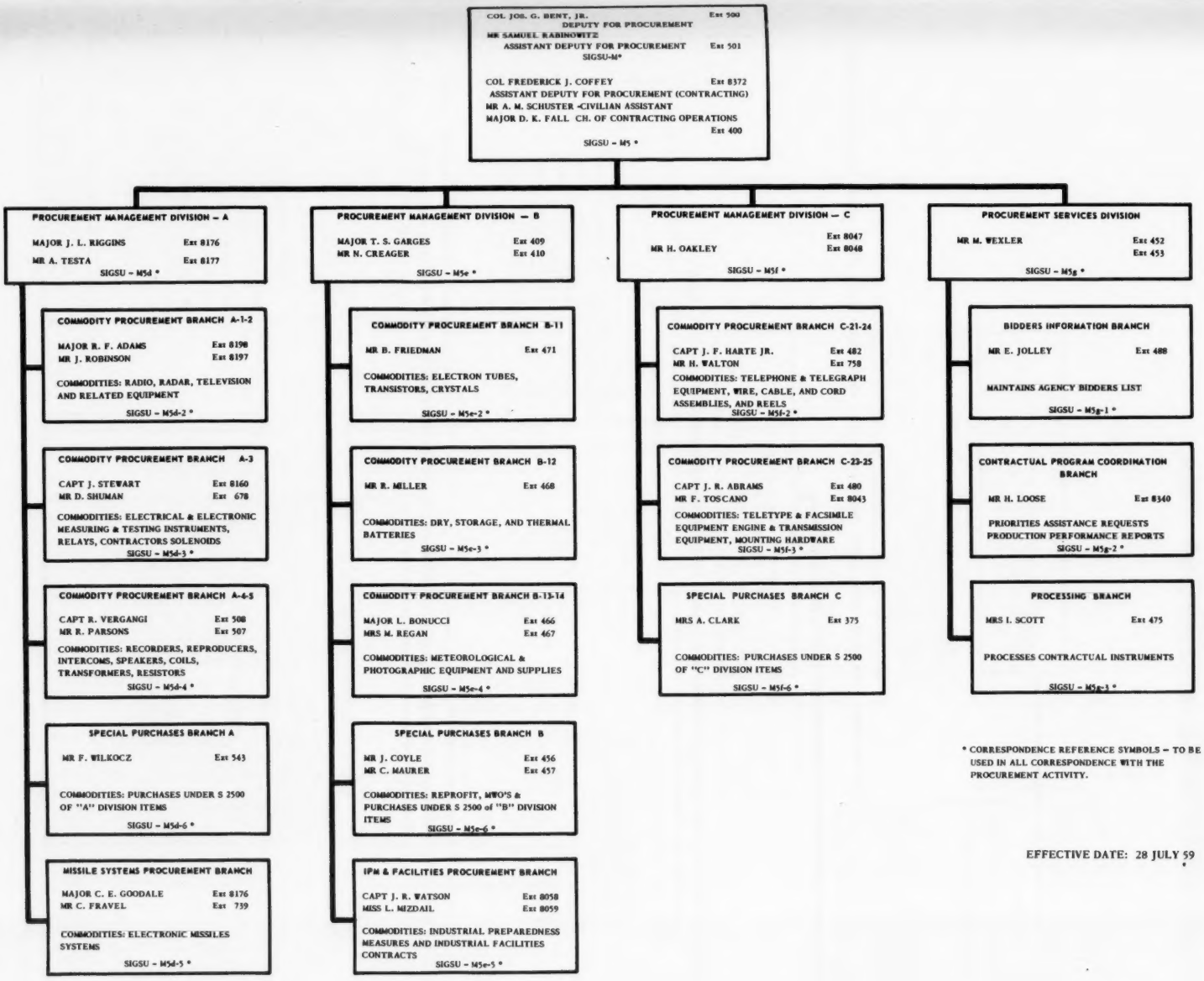
Places contracts for television and photographic equipment and supplies, film productions, personal services and commercial adaptations required by the Army Pictorial Center.

***WHOM TO SEE:**

For general counsel, ask to see the Small Business Specialist or Industrial Relations Officer, who will be pleased to assist you. For specific contract matters the receptionist at each office will gladly make arrangements for you to visit with the Commodity Manager, Contracting Officer, or individual who can best help you.

U.S. ARMY SCHOOL OF AVIATION MEDICINE


COL JOS. G. BENT, JR. Ext 500
DEPUTY FOR PROCUREMENT
MR SAMUEL RABINOWITZ


COL JOS. G. BENT, JR. Ext 500
DEPUTY FOR PROCUREMENT
MR SAMUEL RABINOWITZ
ASSISTANT DEPUTY FOR PROCUREMENT Ext 501
SIGSU-M*
COL FREDERICK J. COFFEY Ext 8372
ASSISTANT DEPUTY FOR PROCUREMENT (CONTRACTING)
MR A. M. SCHUSTER -CIVILIAN ASSISTANT
MAJOR D. K. FALL CH. OF CONTRACTING OPERATIONS Ext 400
SIGSU - M5 *
PROCUREMENT MANAGEMENT DIVISION - A
MAJOR J. L. RIGGINS Ext 8176
MR A. TESTA Ext 8177
SIGSU - M5d *
COMMODITY PROCUREMENT BRANCH A-1-2
MAJOR R. F. ADAMS Ext 8190
MR J. ROBINSON Ext 8197
COMMODITIES: RADIO, RADAR, TELEVISION AND RELATED EQUIPMENT
SIGSU - M5d-2 *
COMMODITY PROCUREMENT BRANCH A-3
CAPT J. STEWART Ext 8160
MR D. SHUMAN Ext 678
COMMODITIES: ELECTRICAL & ELECTRONIC MEASURING & TESTING INSTRUMENTS, RELAYS, CONTRACTORS SOLENOIDS
SIGSU - M5d-3 *
COMMODITY PROCUREMENT BRANCH A-4-5
CAPT R. VERGANGI Ext 508
MR R. PARSONS Ext 507
COMMODITIES: RECORDERS, REPRODUCERS, INTERCOMS, SPEAKERS, COILS, TRANSFORMERS, RESISTORS
SIGSU - M5d-4 *
SPECIAL PURCHASES BRANCH A
MR F. WILKOCZ Ext 543
COMMODITIES: PURCHASES UNDER $ 2500 OF "A" DIVISION ITEMS
SIGSU - M5d-6 *
MISSILE SYSTEMS PROCUREMENT BRANCH
MAJOR C. E. GOODALE Ext 8176
MR C. FRAVEL Ext 739
COMMODITIES: ELECTRONIC MISSILES SYSTEMS
SIGSU - M5d-5 *
PROCUREMENT MANAGEMENT DIVISION - B
MAJOR T. S. GARGES Ext 409
MR N. CREAGER Ext 410
SIGSU - M5e *
COMMODITY PROCUREMENT BRANCH B-11
MR B. FRIEDMAN Ext 471
COMMODITIES: ELECTRON TUBES, TRANSISTORS, CRYSTALS
SIGSU - M5e-2 *
COMMODITY PROCUREMENT BRANCH B-12
MR R. MILLER Ext 468
COMMODITIES: DRY, STORAGE, AND THERMAL BATTERIES
SIGSU - M5e-3 *
COMMODITY PROCUREMENT BRANCH B-13-14
MAJOR L. BONUCCI Ext 466
MRS M. REGAN Ext 467
COMMODITIES: METEOROLOGICAL & PHOTOGRAPHIC EQUIPMENT AND SUPPLIES
SIGSU - M5e-4 *
SPECIAL PURCHASES BRANCH B
MR J. COYLE Ext 456
MR C. MAURER Ext 457
COMMODITIES: REPROFIT, MWO'S & PURCHASES UNDER $ 2500 of "B" DIVISION ITEMS
SIGSU - M5e-6 *
IPM & FACILITIES PROCUREMENT BRANCH
CAPT J. R. WATSON Ext 8058
MISS L. MIZDAIL Ext 8059
COMMODITIES: INDUSTRIAL PREPAREDNESS MEASURES AND INDUSTRIAL FACILITIES CONTRACTS
SIGSU - M5e-5 *
PROCUREMENT MANAGEMENT DIVISION - C
Ext 8047
MR H. OAKLEY Ext 8048
SIGSU - M5f *
COMMODITY PROCUREMENT BRANCH C-21-24
CAPT J. F. HARTE JR. Ext 482
MR H. WALTON Ext 758
COMMODITIES: TELEPHONE & TELEGRAPH EQUIPMENT, WIRE, CABLE, AND CORD ASSEMBLIES, AND REELS
SIGSU - M5f-2 *
COMMODITY PROCUREMENT BRANCH C-23-25
CAPT J. R. ABRAMS Ext 480
MR F. TOSCANO Ext 8043
COMMODITIES: TELETYPE & FACSIMILE EQUIPMENT ENGINE & TRANSMISSION EQUIPMENT, MOUNTING HARDWARE
SIGSU - M5f-3 *
SPECIAL PURCHASES BRANCH C
MRS A. CLARK Ext 375
COMMODITIES: PURCHASES UNDER $ 2500 OF "C" DIVISION ITEMS
SIGSU - M5f-6 *
PROCUREMENT SERVICES DIVISION
MR M. WEXLER Ext 452
Ext 453
SIGSU - M5g *
BIDDERS INFORMATION BRANCH
MR E. JOLLEY Ext 488
MAINTAINS AGENCY BIDDERS LIST
SIGSU - M5g-1 *
CONTRACTUAL PROGRAM COORDINATION BRANCH
MR H. LOOSE Ext 8340
PRIORITIES ASSISTANCE REQUESTS PRODUCTION PERFORMANCE REPORTS
SIGSU - M5g-2 *
PROCESSING BRANCH
MRS I. SCOTT Ext 475
PROCESSES CONTRACTUAL INSTRUMENTS
SIGSU - M5g-3 *

* CORRESPONDENCE REFERENCE SYMBOLS - TO BE USED IN ALL CORRESPONDENCE WITH THE PROCUREMENT ACTIVITY.

EFFECTIVE DATE: 28 JULY 59

PROCUREMENT AND DISTRIBUTION DIVISION

COMMODITIES: ELECTRONIC MISSILES SYSTEMS
SIGSU - M5d-5 *

COMMODITIES: INDUSTRIAL PREPAREDNESS MEASURES AND INDUSTRIAL FACILITIES CONTRACTS
SIGSU - M5e-5 *

PROCUREMENT AND DISTRIBUTION DIVISION
OFFICE OF THE CHIEF SIGNAL OFFICER

-------Staff Elements of OCSigO

Telephone
OXford (dial appropriate extension)

Chief	Maj Gen H. L. Scofield	67255
Deputy Chief	Col A. T. Stanwix-Hay	67256
Assistant Chief	Mr. George A. Passela	65130
Executive	Lt Col F. J. Schecher	67158

OFFICE OF SMALL BUSINESS, OCSigO
Small Business Advisor — Mr. J. P. Jaquette, Sr. — 62106

TRANSPORTATION & TRAFFIC MGT STAFF, OCSigO
Chief — Lt Col John F. Hagan, Jr. — 67244
Asst Chief — Mr. C. McFarland — 67245

ADMINISTRATIVE MANAGEMENT OFFICE
Chief — CWO Frank H. Wright — 65222

PROGRAMS & BUDGET OFFICE
Chief — Lt Col G. A. Smith — 64251
Asst Chief — Mr. J. J. Calabrese — 67176

PROCUREMENT BRANCH
Chief — Col Edwin C. Fritz — 61350

PROCUREMENT BRANCH

Chief	Col Edwin G. Fritz	61350
Asst Chief	Mr. C. H. Butler	61350
Asst-to-the Chief	Maj E. Miccio, Jr.	67059
Ch, Proc Mgt Sec	Mr. R. D. Camp	67058
Asst Ch, Proc Mgt Sec	Mrs. Melba Meickle	67074
Actg Ch, Industrial Sec	Mr. A. R. Olson	67060
Ch, Compo & Mat'ls Unit	Mr. C. R. Holman	67066
Ch, Industrial Fac Unit	Mrs. Lillian Bishop	67062
Ch, Contracts Sec	Mr. L. M. Coster	67078
Ch, Contr Awards Unit	Mr. W. W. Wayne	67085
Ch, Financial Svcs Unit	Mr. R. E. Harris	67080
Ch, Production Sec	Mr. J. B. Joseph	67072
Asst Ch, Production Sec	Mr. F. J. Jessel	67073

MAINTENANCE & ENGINEERING BRANCH

Chief	Col. John F. Kuster	67177
Asst Chief	Mr. S. Silverman	67178
Ch, Field Maint Sec	Maj Carl C. Vorlander	67096
Ch, Avions Instal & Maint Sec	Mr. Louis Mirani	62841
Ch, Standardization Sec	Mr. S. H. Meiselman	66180
Ch, Product Engr Sec	Mr. Arthur M. Dula	6244

REQUIREMENTS BRANCH

Chief	Col Okin L. Bell	63250
Asst Chief	Mr. J. N. Montgomery III	67130

DISTRIBUTI ON BRANCH

Chief	Col James D. DeMarr	65235
Asst Chief	Mr. E. P. Fromer	67091

MUTUAL SECURITY BRANCH

Chief	Lt Col J. L. Burks	67166
Asst Chief	Mr. W. E. Nauman	67166

HEADQUARTERS DEPARTMENT OF THE A
DIVISION AND BRANCH CHIEFS AND CLA

TELEPHONE NUMBERS ARE EXTENSIONS OF LIBERTY 5-6700.

FOR DIRECT DAILING USE PREFIX "OX" FOLLOWED BY LISTED EXTENSION.

CHIEF SIG

MAJ GEN R T NELSON
ADMINISTRATIVE ASSISTANT...MR

DEPUTY CHIEF

BRIG GEN E F COOK (ACTING).....
ADMINISTRATIVE ASSISTANT...MR

EXE

COL W M LAUTERBACH.....
EXECUTIVE STAFF .....LT
OFFICE OF TECH LN .....LT
SECURITY BRANCH..... CO
ADMINISTRATIVE BRANCH.... LT
SMALL BUSINESS ADVISOR ....MR

EXECUTIVE MAIL SECTION.....

PROVOST MARSHAL

(SOUTH AREA, FORT MYER)

COL A C CHEYNE	SIGPM	T-521	73188
DEPUTY		T-521	73198

PERSONNEL DIVISION

(MUNITIONS BUILDING)

CHIEF			
COL W B BESS	SIGPA	4521	67017
ASST CHIEF			
LT COL G A KURKJIAN	SIGPA	4521	67013
EXECUTIVE OFFICER			
MAJ P GREKSA	SIGPA-2	4522	67018
CIVILIAN PERSONNEL BR			
MR J H DONAGHY	SIGPA-1	4605	67800
MILITARY PERSONNEL BR			
COL J R TURNER	SIGPA-3	4529	67635
SAFETY DIRECTOR			
MR J M KANAK	SIGPA-4	4522	67019
DIVISION MAIL ROOM	SIGPA	4537	67024

PLANS AND PROGRAMS DIV

CHIEF			
COL O G CHARLES	SIGPL	2E286	52400
DEPUTY FOR SCHEDULING			
COL L P JACOBS	SIGPL-1	2D312	75692
ASSISTANT CHIEF			
COL W C DOLLE	SIGPL-1	2E286	76067
EXECUTIVE			
LT COL G R O'NEAL	SIGPL-1	2E286	76067
WAR PLANS BR			
LT COL J T LAPOINTE	SIGPL-3	2E287	53023
PROGRAMS BR			
LT COL R E PERREY	SIGPL-4	2D284	72001
JOINT ACTIONS CONTROL OFFICE			
LT COL C H SHURTLEFF	SIGPL-5	2D288	55409
ADVANCE PLANS BR			
LT COL J M JOHNSON	SIGPL-6	2E287	73774
DIVISION MAIL ROOM		2E288	79649

ARMY COMMUNICATIONS SERVICE DIV

CHIEF			
COL G P SAMPSON	SIGAC	2E234	53196
ASSISTANT CHIEF			
COL L R MOORE	SIGAC-1	2E234	54817
TECHNICAL DIRECTOR			
MR C D MAY	SIGAC-1a	2E237	74512
EXECUTIVE			
CAPT V BECHEN	SIGAC-2	2E234	55948
ADM-SECURITY OFFICE			
MAJ M BRINEGAR	SIGAC-3	2D245	55887
BUDGET & MANAGEMENT BR			
COL B CARON	SIGAC-4	2E235	77979
COMMUNICATIONS PLNG BR			
COL W B FEINDEL	SIGAC-5	2E231	56926
INTERAGENCY COMM BR			
COL J P SCROGGS	SIGAC-8	MUN BLDG	67826
COMMUNICATIONS PROGRAMS BR			
COL H E WHITE	SIGAC-9	2D235	72484
DIVISION MAIL ROOM		2D245	54350

ARMY PICTORIAL SERVICE DIV

CHIEF			
COL A A McCRARY	SIGAP	5A1062	73520
EXECUTIVE OFFICER			
LT COL J S BARDWELL	SIGAP-2	5A1062	56958
BUDGET & MGMT OFFICE			
MR C P McCOURT	SIGAP-3	5B1075	77835
PLANS & REQUIREMENTS BR			
MAJ STANFORD ROBERTS	SIGAP-4	5A1058	54216
STILL PICTURE BR			
LT COL J A HEROD	SIGAP-5	5B1064	53806
MOTION PICTURE BR			
LT COL B T BROWN	SIGAP-6	5B1075	74455
FILM DISTR & UTILIZATION BR			
MR J A MOSES	SIGAP-7	5B1075	72039
TELEVISION BR			
MAJ R I TAYLOR, JR.	SIGAP-8	5A466	54935
AUDIO-VISUAL APPLICATIONS OFFICE			
DR J H KANNER	SIGAP-9	5A466	54935
DIVISION MAIL ROOM		5B1075	77835

RESEARCH AND DEVELOPMENT DIV

CHIEF			
BRIG GEN E F COOK	SIGRD	2E238	79378
DEPUTY CHIEF			
COL J W JOHNSTON	SIGRD-1	2E238	79378
EXEC OFFICER			
LT COL GEORGE E GREEN	SIGRD-3	2E238	79376
SIGNAL RESEARCH OFFICE			
MR P L BEDFORD	SIGRD-4	4523*	67769
AVIONICS & SURVEILLANCE BRANCH			
MR W A STAMBAUGH	SIGRD-5	BE1028	56937
COMMUNICATIONS BRANCH			
MR R F BRADY	SIGRD-6	BE1029	73144
PLANS, PROGRAMS & OPERATIONS OFFICE			
MAJ J G PELLAND	SIGRD-7	2D242	56831
AIR DEFENSE & COUNTERMEASURES BRANCH			
LT COL A W REESE	SIGRD-9	4621*	67711
DIVISION MAIL ROOM		BD1032	56363

* Munitions Building

CHIEF SCIENTIST, OCSIGO			
DR C M CRENSHAW	SIGRD-2	2E239	79681

THE ARMY OFFICE OF THE CHIEF SIGNAL OFFICER
CLASS II ACTIVITIES IN THE WASHINGTON AREA

EF SIGNAL OFFICER

		2E258	56604
STANT...MRS M L BRANCHEAU....SIG		2E258	72549

CHIEF SIGNAL OFFICER

ING).....	SIGDC	2E254	52070
STANT...MRS M K ST CLAIR	SIGDC	2E254	52070

EXECUTIVE

.....	SIGEO	2E254	71279
.....LT COL A E COTTER...	SIGEO-2	2E261	77036
.....LT COL K E SHIFLET..	SIGEO-4	BD1024	53631
..... COL A R BECH.....	SIGEO-5	BE1021	74251
NCH.... LT COL C W ROGERS..	SIGEO-6	2E253	76726
ISOR ....MR J P JAQUETTE SR.	SIGPD-1a	2642	62106
ECTION.....		2E261	56791

MILITARY ASSISTANTS

SPECIAL ASSISTANT FOR COMBAT SURVEILLANCE			
BRIG GEN W M THAMES.....	SIGCB	205	42806
SPECIAL ASSISTANT FOR RADIO FREQUENCY ENGINEERING			
LT COL E J HOLLIMAN.....	SIGFO	BD973	72193

CIVILIAN ASSISTANTS

PRINCIPAL ASSISTANT			
MR J E PERNICE.....	SIG	2E266	79967
EQUIPMENT COORDINATION			
MR F E CRAIN	SIGEO-2	2E261	76620
POLICY COORDINATION			
MR H SILVERSTEIN	SIG	2E310	74019

INSPECTOR GENERAL
(MUNITIONS BUILDING)

COL L M REISER.....	SIGIG	4407	67731
DIVISION MAIL ROOM.....		4409	67732

COMPTROLLER DIVISION

CHIEF AND COMPTROLLER, OCSigO			
COL ROBERT C ANGSTER.....	SIGCS	2E282	52087
SPEC ASST TO THE COMPTROLLER			
MR M C WEST.....	SIGCS	2E282	52087
DEPUTY COMPTROLLER			
LT COL A E DOGAN.....	SIGCS	2E282	78058
BUDGET BRANCH			
MR C W DIFALCO.....	SIGCS-1	BD1031	53577
FINANCE & ACCOUNTING BR			
COL R E HOAG, FC	SIGCS-2	2B261	56092
MANAGEMENT, PROG REVIEW & MANPOWER BR			
MR D J EGAN	SIGCW-3	BD1034	56843
FACILITIES BR			
.....	SIGCS-4	2B257	56370
DIVISION MAIL ROOM.....		BD1032a	56928

LEGAL DIVISION

CHIEF			
MR J G GREGG.....	SIGLG	1E414	53702
ASSISTANT CHIEF			
MR J L BURCH.....	SIGLG-1	1E414	79917
GENERAL LAW BRANCH			
MR C E CROTTY.....	SIGLG-2	1E417	55279
PROCUREMENT LAW BRANCH			
MR C M KEARNEY.....	SIGLG-3	1E403	54273
PATENTS PROSECUTION BRANCH			
MR H M SARAGOVITZ	SIGLG-4	1E408	73720
PATENTS PROCUREMENT BRANCH			
MR L GLASSMAN	SIGLG-5	1D405	72415
CLAIMS & LITIGATION BRANCH			
MR M J McCARTIN	SIGLG-6	1E402	52037
DIVISION MAIL ROOM.....		1D401	55497

T DIV

	79378
	79378
	79376
	67769
	56937
	73144
	56831
	67711
	56363
	79681

COMBAT DEVELOPMENT & OPERATIONS DIV

CHIEF			
COL B H POCHYLA.....	SIGCO	2E270	53355
DEPUTY CHIEF			
COL J L LEIDENHEIMER	SIGCO	2E274	53356
ASSISTANT CHIEF			
MR ROBERT H CLEARMAN ...	SIGCO	2E274	77818
ADMINISTRATIVE OFFICE			
MRS B M MACBRIDE.....	SIGCO	2E283	76508
SIG AVN BRANCH			
MAJ C A DILLAHUNT (ACTG)	SIGCO-1	BE1025	73858
PROG & FIN MGMT OFFICE			
MR W CAPAR	SIGCO-2	BE1025-A	76547
COMBAT DEVELOPMENT BR			
COL M C MAUTZ	SIGCO-3	2E279	71957
OPERATIONS BR			
COL G F ROGERS.....	SIGCO-4	2E273	72142
MILITARY TRAINING BR			
COL D S BOWMAN.....	SIGCO-6	2B252	71678
ARMY ELECTRONIC WARFARE POLICY COMMITTEE			
LT COL M M LAWSON	AEWPC	2E279	52856
DIVISION MAIL ROOM.....		2E283	71449

PROCUREMENT & DISTRIBUTION DIV
(MUNITIONS BUILDING)

CHIEF			
MAJ GEN H L SCOFIELD.....	SIGPD	2521	67255
DEPUTY CHIEF			
COL A T STANWIX-HAY	SIGPD	2522	67256
ASSISTANT CHIEF			
MR G A PASSELA.....	SIGPD	2525	65130
EXECUTIVE			
LT COL F J SCHECHER.....	SIGPD	2523	67158
ADMINISTRATIVE MANAGEMENT OFFICE			
CWO F H WRIGHT.....	SIGPD-2	2527A	65222
OFFICE OF SMALL BUSINESS			
SMALL BUSINESS ADVISOR			
MR J P JAQUETTE, SR.	SIGPD-1a	2642	62186
PROGRAMS & BUDGET OFFICE			
LT COL BEVERLY RISQUE..	SIGPD-3	2524A	64251
DISTRIBUTION BRANCH			
COL J D DEMARR	SIGPD-6	2606	65235
MUTUAL SECURITY BRANCH			
LT COL J L BURKE	SIGPD-8	2622	67166
MAINTENANCE & ENGR BRANCH			
COL J F KUSTER	SIGPD-7	2533	67177
PROCUREMENT BRANCH			
COL O L BELL	SIGPD-5	2649	61350
REQUIREMENTS BRANCH			
COL G B CAUBLE.....	SIGPD-4	2633	65250
DIVISION MAIL ROOM.....		2532	67186

TRANSPORTATION OFFICER, OCSigO			
TRANS & TRAFFIC MGMT STAFF			
LT COL J F HAGAN JR. ...	SIGPD-1b	2616	67244

RESEARCH, DEVELOPMENT, PROCUREM
COMMUNICATIONS A

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  Lexington, Kentucky
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CHIEF SIGNAL OFFICER
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Develops and proposes new communications-electronics systems for command control and their concept of operation, together with related organizations and doctrine. Field tests communications, combat surveillance and electronic warfare systems and equipments and their operational techniques, and also provides meteorological services and equipment to support Army Research & Development. Conducts tests and studies on Army Signal Corps aviation.

CHIEF, RESEARCH AND DEVELOPMENT DIV.
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***PRODUCTION ENGINEERING**
U.S. Army Signal Equipment
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Fort Monmouth, New Jersey
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ELOPMENT DIV.
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IBUTION POINTS FOR S . . .

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U. S. ARMY SIGNAL GARRISON
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Provides
Continuous research and development in communications and electronics; and trains service personnel in communications.

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RESEARCH AND DEVELOPMENT

See Page 24

TION DIV.

▲ PROCUREMENT OFFICES

See Pages 15 and 16

USASESA

U. S. ARMY SIGNAL EQUIPMENT SUPPORT AGENCY
COLES AREA, FORT MONMOUTH, N. J.

HOWARD E. PRICE, COLONEL, SIGNAL CORPS, COMMANDING

The U. S. Army Signal Equipment Support Agency, as its primary mission, provides technical support toward the procurement and production of equipment required to perform the Army Signal Corps' field mission, and toward the operation and maintenance of this equipment in the field.

In its procurement and production support mission, the U. S. Army Signal Equipment Support Agency, commonly referred to as USASESA, serves as the technical representative of the Contracting Officer in establishing technical requirements for equipment to be procured and in evaluating preproduction samples, and provides technical assistance to manufacturers in the production of this equipment.

Under the staff and technical supervision of the Procurement and Distribution Division, Office of the Chief Signal Officer, USASESA has over 800 engineers, technicians, and administrative and contractual personnel performing the many tasks required to accomplish production and maintenance support and insure the highest possible standards of production of Army Signal Corps equipment.

Each year, over 2,500 manufacturers who have received Invitations for Bid on communications and electronic equipment visit USASESA to examine models of the equipment to be procured and to seek assistance in solution of their production problems.

If the work being done by USASESA covers areas in which you are facing problems—if you feel that the Agency could be of assistance in resolving those problems—a call or a letter from you is all that is required because . . .

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U. S. ARMY
SIGNAL EQUIPMENT SUPPORT AGENCY

		Symbol	Tel No.	Location
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LT COLONEL PATRICK H. MEEHAN	Deputy Commanding Officer	–DCO	81452	3–208
CAPT. P. A. MADDEN	Executive Officer	–XO	81165	3–202
HALSEY F. HUBBARD	Chief Engineer	–CE	81112	3–205
JOHN W. WESELOH	Deputy Chief Engineer	–DCE	81202	3–201

LIAISON & SPECIAL PROJECTS OFFICE

LIAISON

USASESA Liaison Engineer	Symbol	Tel No.		Location
A. Levitan	SIGFM/ES–L1	Kingsley	6–3200 – X–386	Philadelphia, Pa.
C. E. Bodtin	SIGFM/ES–L2	Kingsley	6–3200 – X–237	Philadelphia, Pa.
N. K. Levine	SIGFM/ES–L3	Ryan	1–8471	Pasadena, Calif.
S. C. Freeman	SIGFM/ES–L4	Andover	3–0234 – X–109	Chicago, Ill.
P. Caruso				Europe
B. S. Burt				Far East

SPECIAL PROJECTS

	Symbol	Tel No.	Rm No.
MISSILE COORDINATOR S. A. Rubinstein	SIGFM/ES–L	81120	3–210
EDP COORDINATOR O. B. Kusterman	SIGFM/ES–L	81437	3–212
AVIONICS COORDINATOR J. Strongin	SIGFM/ES–L	81547	3–212

OPERATING ELEMENTS

PRODUCTION ENGINEERING DEPARTMENT

		Symbol	Tel No.	Location
DIRECTOR	W. J. Laverick	–P	81622	2–202
Asst to DIRECTOR	R. I. Ullman	–P–1	81454	2–202
Chief Staff Engineer	H. Segall	–P–2	81454	2–202
Industrial Preparedness Coordinator	L. M. Compton	–P–3	81145	6–206

PROCUREMENT DATA DIVISION

		Symbol	Tel No.	Location
CHIEF	S. Malkin	–PP–1	81148	6–101

STANDARDIZATION DIVISION

		Symbol	Tel No.	Location
CHIEF	H. R. Nooe	–SD–1	81228	11–214

FIELD ENGINEERING DIVISION

		Symbol	Tel No.	Location
CHIEF	B. R. Barrett	–FP–1	81215	1–304
Asst CHIEF	D. Tomovich	–FP–2	81656	1–304
CHIEF Tech Opns	J. L. Aspinwall	–FP–3	81164	1–303
CHIEF Admin Opns	G. Woodward	–FP–4	81298	1–301

MECHANICAL ENGINEERING BRANCH

CHIEF	T. Marko	–FPM	81104	1–106
Asst CHIEF	J. Sagui	–FPM	81659	1–106
Eqp Port Sec	A. Eber	–FPM–1	81674	1–304
Sat Port & Eqp Sec	E. Wiegehaus	–FPM–2	21757	Bldg 292, Ft. Mon.
Elec Mech Eqp Sec	T. Wilson	–FPM–3	81518	1–108
Mech Struc Sec	L. G. Van Syckle	–FPM–4	81113	1–104

COMPONENTS & ELECTRON DEVICES BRANCH

CHIEF	M. Singer	–FPE	81318	6–301
Asst CHIEF	P. Leeds	–FPE	81218	6–301
Comp Sec	T. Maliowski	–FPE–1	81347	6–304
Elec Tube Sec	E. Anderson	–FPE–2	81453	6–306
Materials Sec	F. Hochberg	–FPE–3	81163	6–312
Solid States Sec	L. Kramer	–FPE–4	81349	6–310

MAINTENANCE ENGINEERING DEPARTMENT

		Symbol	Tel No.	Location
DIRECTOR	R. P. Iannarone	–M	81214	4–202
Asst to DIRECTOR	H. Marks	–M	81559	4–202
Asst to DIRECTOR	A. H. Quist	–M	81643	5–207
Asst to DIRECTOR	C. F. Moore	–M	81292	5–207

MAINTENANCE METHODS DIVISION

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CHIEF	W. C. Grubb	–MM–1	81259	5–202

APPLICATIONS ENGINEERING DIVISION

		Symbol	Tel No.	Location
CHIEF	T. Cabianchi	–AE–1	81132	7–102

LOGISTICS ENGINEERING DIVISION

		Symbol	Tel No.	Location
CHIEF	H. P. Tryon	–ML–1	81245	9–303

COMMUNICATION EQUIPMENT BRANCH

CHIEF	J. V. Drougalis	–PPC	81138	1–105A
Asst CHIEF	S. Berger	–PPC	81526	1–105A
Long Range Eqp Sec	S. Kafalas	–PPC–1	81248	1–111A
Short Range Eqp Sec	E. Smith	–PPC–2	81256	1–113A
Radio Relay Eqp Sec	E. Washilaski	–PPC–3	81328	1–111A
Telecom Eqp Sec	J. W. Kouba	–PPC–4	81243	1–111

GENERAL EQUIPMENT BRANCH

CHIEF	M. Vocaro	–PPG	81136	6–209
Asst CHIEF	O. White	–PPG	81523	6–209
Power Sources Sec	H. Wilson	–PPG–1	81160	6–205
Test Eqp Sec	M. Brown	–PPG–2	81435	6–211
Gen Eqp Sec	C. Moody	–PPG–3	81141	6–214

DETECTION & GUIDANCE EQUIPMENT BRANCH

CHIEF	S. Finkelstein	–PPD	81216	1–216
Asst CHIEF	A. Lockwood	–PPD	81294	1–214
Countermeasures Eqp Sec	A. Slotkin	–PPD–1	81246	1–211
Radar Eqp Sec	T. K. Myers	–PPD–2	81157	1–309
Physical Sciences Sec	C. Ingalls	–PPD–3	81161	1–206

U. S. ARMY SIGNAL RESEARCH AND DEVELOPMENT LABORATORY

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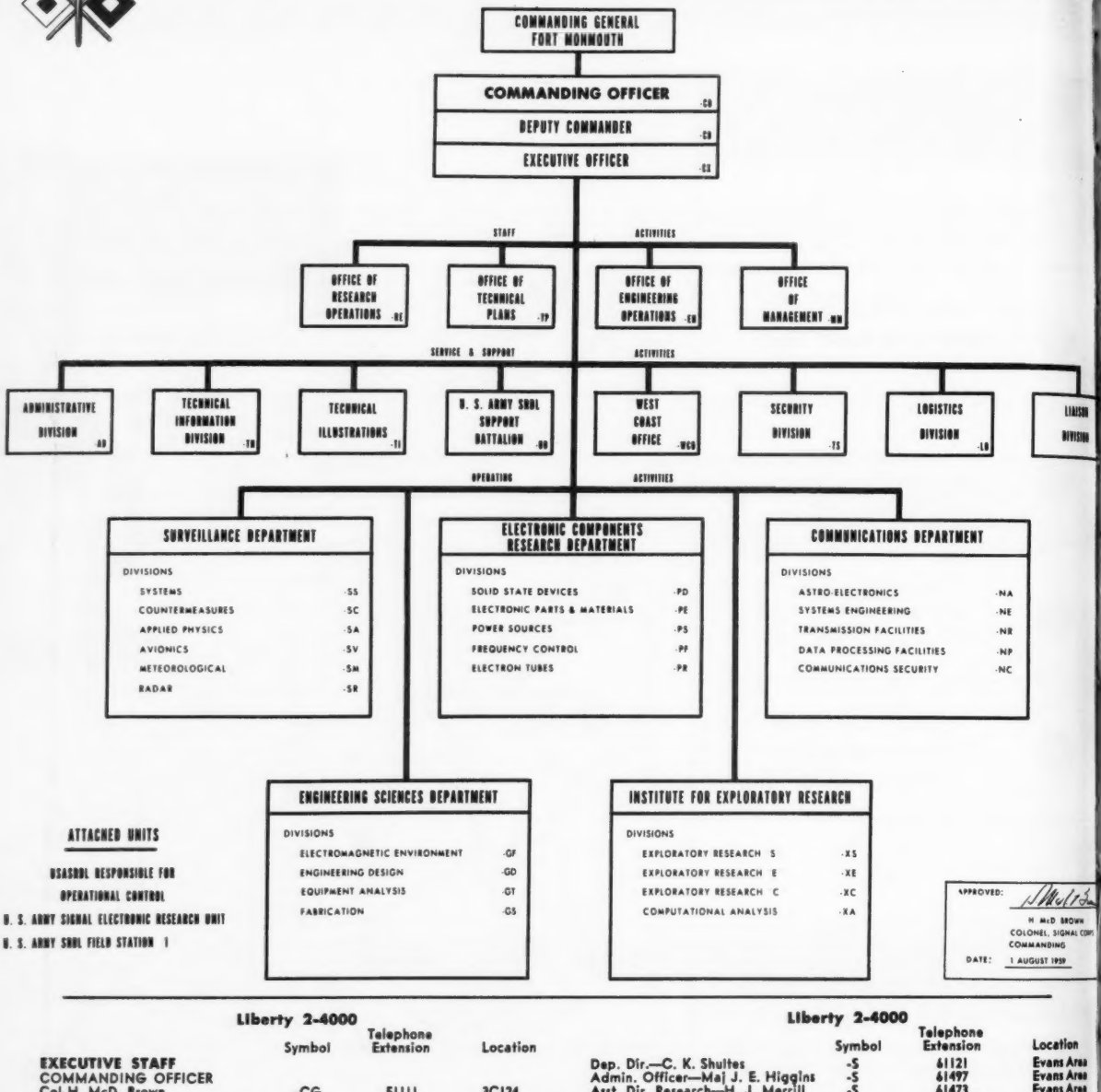

ATTACHED UNITS

USASRDL RESPONSIBLE FOR OPERATIONAL CONTROL

U. S. ARMY SIGNAL ELECTRONIC RESEARCH UNIT

U. S. ARMY SRDL FIELD STATION 1

APPROVED: H McD BROWN
COLONEL, SIGNAL CORPS
COMMANDING
DATE: 1 AUGUST 1959

	Liberty 2-4000 Symbol	Telephone Extension	Location
EXECUTIVE STAFF			
COMMANDING OFFICER			
Col H. McD. Brown	-CG	51111	3C124
DEPUTY COMMANDER			
Col J. E. Watters	-CD	51126	3C124
CHIEF, TECHNICAL STAFF			
Col I. R. Obenchain	-CT	52157	3C119
EXECUTIVE OFFICER			
John S. Crull	-CX	51144	3C124
PERSONAL STAFF			
DIRECTOR OF RESEARCH			
Dr H. A. Zahl	-DR	51136	3C124
DIRECTOR OF ENGINEERING			
S. E. Petrillo	-DE	51171	3C118
DIRECTOR OF MANAGEMENT			
F. A. Kineavy	-MM	51131	3C114A
DIRECTOR OF TECHNICAL PLANS			
H. W. Parmer	-DP	52112	3C134A
OPERATING ACTIVITIES			
Surveillance Department			
Dir.—Lt Col John L. Wilson, Jr.	-S	61232	Evans Area
Dep. Dir.—C. K. Shultes	-S	61121	Evans Area
Admin. Officer—Maj J. E. Higgins	-S	61497	Evans Area
Asst. Dir. Research—H. J. Merrill	-S	61473	Evans Area
Asst. Dir. Tech. Plans—N. Lee	-S	61473	Evans Area
Asst. Dir. Engrg. Opns.			
Asst. Dir. Management			
RADAR DIVISION			
Dir.—V. L. Friedrich	-SR	61456	Evans Area
Dep. Dir.—A. S. White	-SR	61382	Evans Area
Asst. Dir.—Maj J. L. Jones	-SR	61393	Evans Area
Tech. Oper. Sec.—L. Volp	-SR	61182	Evans Area
Admin. Sec.—J. Young	-SR	61242	Evans Area
BRANCHES			
Radar Equipment—N. Abbott	-SRE	61313	Evans Area
Advanced Development—J. C. Ackerman	-SRA	61435	Evans Area
METEOROLOGICAL DIVISION			
Dir.—D. Deislinger	-SM	61224	Evans Area
Dep. Dir.—J. LeBedda	-SM	61220	Evans Area
Admin. Sec.—S. Steelman	-SM	61472	Evans Area
Tech. Opns.—S. Shefter	-SM	61127	Evans Area

Liberty 2-4000

	Symbol	Telephone Extension	Location
OPERATING ACTIVITIES (Cont.)			
BRANCHES			
Meteorological Systems—L. Panak	-SMS	61314	Evans Area
Meteorological Instrumentation—W. Todd	-SMI	61219	Evans Area
Atmospheric Physics—H. Aufm Kampe	-SMA	61319	Evans Area
Meteorological Techniques—D. W. Swingle	-SMT	61172	Evans Area
APPLIED PHYSICS DIVISION			
Dir.—H. J. Merrill	-SA	51700	3C500
Dep. Dir.—K. Burger	-SA	51011	3C500
Admin. Sec.—F. Ronan	-SA	52060	3C502B
BRANCHES			
Reconnaissance—J. Kelly	-SAR	51522	3C420B
Photographic—D. Castellini	-SAP	52058	4C114A
Atomics—W. Lonnie	-SAT	51240	3D411A
ENGINEER FLIGHT SUPPORT GROUP			
Maj B. G. Powell	-SEF	61326	Evans Area
AVIONICS DIVISION			
Dir.—L. Lang	-SV	61204	Evans Area
Dep. Dir.—W. L. Rehm	-SV	61324	Evans Area
Asst. Dir.—L. Evanson	-SV	61216	Evans Area
Admin. Sec.—W. Fowler	-SV	61367	Evans Area
BRANCHES			
Aircraft Communications—G. Brazee	-SVC	61364	Evans Area
Navigation & Flight Aids—A. Beichek (Actg.)	-SVN	61301	Evans Area
Aircraft Inst. & Stds.—J. E. Quivey	-SVI	61307	Evans Area
Drone Aircraft—G. Ceres	-SVD	61268	Evans Area
COUNTERMEASURES DIVISION			
Dir.—C. B. Moore	-SC	61161	Evans Area
Dep. Dir.—	-SC	61464	Evans Area
Asst. Dir.—A. Filippo	-SC	61436	Evans Area
Tech. Oper. Sec.—A. Filippo	-SC	61436	Evans Area
Admin. Sec.—J. Sturm	-SC	61171	Evans Area
Senior Scientist—I. O. Myers	-SC	61252	Evans Area
BRANCHES			
Countermeasures Sys.—J. Kaplan	-SCC	61233	Evans Area
Detection & Location—S. Stiber	-SCD	61183	Evans Area
Jamming & Deception—L. Miller	-SCJ	61398	Evans Area
SYSTEMS DIVISION			
Dir.—C. Grossman	-SS	61322	Evans Area
Dep. Dir.—	-SS	61322	Evans Area
Tech. Oper. Sec.—L. Lawrence	-SS	61226	Evans Area
Admin. Sec.—E. Harrison	-SS	61306	Evans Area
BRANCHES			
Advanced Techniques—A. Zarin	-SSA	61147	Evans Area
Systems Engineering—F. Haake	-SSS	61306	Evans Area
Electronic Components Research Department			
Dir.—Col L. J. D. Rouge	-P	51181	3C204
Dep. Dir.—W. L. Doxey	-P	52583	3C206A
Asst. Dir.—A. W Rogers (Actg.)	-P	52134	3C206
Tech. Staff—S. Danko	-P	52483	3C208
Admin. Staff—J. P. White	-P	52991	3C202
POWER SOURCES DIVISION			
Dir.—A. F. Daniel	-PS	51057	2C206B
Dep. Dir.—D. Linden	-PS	52084	2C210A
Tech. Consultant—Dr. E. Baars	-PS	51734	2C210B
Tech. Opns. Sec.—D. Linden	-PS	52084	2C210A
Admin. Sec.—A. Pray	-PS	51058	2C204
BRANCHES			
Comm. Battery—C. H. Clark	-PSC	52458	2C140
Spl. Purpose Bat.—Dr. A. Fischbach	-PSS	51082	2C146
Power Engr.—D. Linden (Actg.)	-PSP	52009	3C210
FREQUENCY CONTROL DIVISION			
Dir.—Dr. E. A. Gerber	-PF	52250	2C304B
Dep. Dir.—J. M. Havel	-PF	51829	2C302
Tech. Opns. Sec.—M. F. Timm	-PF	51728	2C220
Admin. Sec.—G. Goldenberg	-PF	51001	2C300
BRANCHES			
Atomic Resonance—Dr. F. H. Reder	-PFA	52831	2C306B
Piezoelectric Crystal—Dr. G. K. Guttwein	-PFP	51805	2C312B
Techniques & Circuitry—O. P. Layden	-PFT	52378	2C214A
ELECTRONIC PARTS & MATERIALS DIVISION			
Dir.—Dr. E. Both (Actg.)	-PE	51834	4C130A
Dep. Dir.—M. Tenzer (Actg.)	-PE	51859	4C132A
Asst. Dir.—M. Abramson	-PE	52383	4C128
Tech. Opns. Sec.—M. Abramson	-PE	52383	4C128
Admin. Sec.—L. F. Lotkowictz	-PE	51634	4C132B
BRANCHES			
Elec. Parts & Assemb.—T. S. Gore, Jr. (Actg.)	-PEP	51858	4D131
Microwave & Electromech.—J. W. Gruol (Actg.)	-PEE	51809	4C202
Materials—C. P. Lascaro (Actg.)	-PEM	51808	4C136B
ELECTRON TUBES DIVISION			
Dir.—K. Garoff	-PR	61486	Evans Area
Dep. Dir.—D. Ricker	-PR	61333	Evans Area
Asst. Dir.—J. F. Hanley	-PR	61455	Evans Area
Tech. Opns. Sec.—J. F. Hanley	-PR	61455	Evans Area
Admin. Sec.—E. DeSantis	-PR	61259	Evans Area
BRANCHES			
Gen. Tubes—M. H. Zinn	-PRG	61295	Evans Area
Techniques—L. L. Kaplan	-PRT	61274	Evans Area
Microwave Tubes—H. J. Hersh	-PRM	61106	Evans Area
SOLID STATE DEVICES DIVISION			
Dir.—Dr. H. Jacobs	-PD	51016	4C312
Dep. Dir.—V. J. Kublin (Actg.)	-PD	52826	4C310
Asst. Dir.—D. Salvano (Actg.)	-PD	52826	4C310
Chief Scientist—Dr. W. Gaertner	-PD	51547	4C306
Tech. Opns. Sec.—D. Salvano	-PD	52826	4C310

Liberty 2-4000

	Symbol	Telephone Extension	Location
Admin. Sec.—M. Clayton	-PD	51267	4C306
BRANCHES			
Advanced Device Dev.—W. R. Cherry	-PDA	61459	Evans Area
Circuit Functions—R. Reich	-PDC	51447	4C304
Physical Electronics—F. A. Brand	-PDP	51370	4C302
Communications Department			
Dir.—Col C. W. Gibbs	-N	51186	3C212
Dep. Dir.—R. S. Boykin	-N	51818	3C214A
Spec. Asst.—Lt Col L. W. Miller		52181	3C213
Exec. Asst.—W. C. Brown	-N	52441	3C218
Chief Engr.—G. F. Senn	-N	52611	3C214B
SYSTEMS ENGINEERING DIVISION			
Dir.—B. S. Anderson	-NE	51444	3C220B
Dep. Dir.—I. Dodd	-NE	51242	3C302
Tech. Oper. Sec.—J. Johnston	-NE	52776	3C304A
Admin. Sec.—E. Howell	-NE	52771	3C304A
BRANCHES			
Communications Systems—G. Lynch	-NEC	52524	3C306
Data Systems—R. Gale	-NED	51080	3C312B
Mobile Communications Center—J. Eggert	-NEM	52219	3D211
TRANSMISSION FACILITIES DIVISION			
Dir.—R. Riehs	-NR	51566	4C400
Dep. Dir.—S. P. Brown	-NR	51711	4C342B
Asst. Dir.—H. Littlefield	-NR	52213	4C404B
Tech. Oper. Sec.—S. Sandler	-NR	52213	4C404A
Admin. Sec.—E. Van Winkle	-NR	52317	4C406
BRANCHES			
Long Range Radio—R. Kulinyi	-NRL	52624	4C408B
Combat Area Radio—J. Durrer	-NRC	51664	4C330A
Radio Relay—L. Fobes	-NRR	52319	4C318B
DATA PROCESSING FACILITIES DIVISION			
Dir.—J. R. Bracken	-NP	52312	3C326A
Dep. Dir.—W. Mahoney	-NP	52970	3C328
Tech. Oper. Sec.—J. Sullivan	-NP	52764	3C330
Admin. Sec.—E. Fleischmann	-NP	52430	3C332A
BRANCHES			
Switching—G. W. Bartle	-NPS	51366	3C314B
Data Transducer—H. F. Burkhard	-NPT	51241	3C332B
Data Equipment—Capt W. F. Luebbert	-NPE	51533	3C320
Data Recording—R. A. Faralla	-NPR	51611	3C340
COMMUNICATIONS SECURITY DIVISION			
Dir.—A. Brogle	-ND	51965	4C322A
Dep. Dir.—	-ND	51965	4C322A
Tech. Staff—J. Davis	-ND	51952	4C322A
Admin. Sec.—M. D'Esposito	-ND	51952	4C322A
BRANCHES			
Data Security—J. Buegler	-NDD	51747	3C322
Multichannel Security—B. Keigher	-NDM	52740	4C336A
Voice Security—M. Weinstock	-NDV	51968	4C342A
ASTRO ELECTRONICS DIVISION			
Dir.—H. Ziegler	-NA	52709	4C122
Dep. Dir.—D. Jacoby	-NA	52573	4C122
Asst. Dir.—B. Vaughan	-NA	51235	4C122
Tech. Staff—G. Krassner	-NA	51038	4C116
Bus. Mgt. Sec.—E. Showler	-NA	52215	4C118
BRANCHES			
Astro-Communications—P. Maresca	-NAC	52247	4C112
Astro-Instrumentation—H. Butler (Actg.)	-NAI	51244	4C418
Astro-Obser. & Analy.—A. Gross	-NAO	52050	4C108B
Institute for Exploratory Research			
Dir.—Dr. E. M. Reilley	-X	52608	3D125
Asst. Dir.—N. J. Field	-X	52363	3D123
Tech. Staff—Dr. P. R. Arendt	-X	52809	3D121
Dr. G. J. Brucker	-X	52809	3D121
Mr. J. Weinstein	-X	52809	3D121
Mr. A. Schwartz	-X	52135	3D119
Admin. Staff—R. O. Parker	-X	52135	3D119
Maj R. A. Kirkpatrick	-X	52883	3D119
MATHEMATICAL ANALYSIS DIVISION			
Acting Dir.—N. J. Field	-XA	52363	3D123
EXPLORATORY RESEARCH DIVISION C			
Dir.—R. A. Lacy	-XC	52644	4C316
Admin. Asst.—M. Sherrow	-XC	52281	4C316
EXPLORATORY RESEARCH DIVISION E			
Dir.—Dr. S. B. Levin	-XE	51308	2C130B
Dep. Dir.—Dr. H. H. Kedesdy	-XE	51382	2C132B
Asst. Dir.—W. F. Nye	-XE	51233	2C136A
Tech. Opns.—G. F. Dunbar	-XE	51481	2C136B
Admin. Sec.—E. Latini	-XE	51258	2C130A
EXPLORATORY RESEARCH DIVISION S			
Dir.—Dr. H. H. Bomke	-XS	61422	Evans Area
Dep. Dir.—B. S. Bernstein	-XS	61261	Evans Area
Tech. Opns.—I. A. Balton	-XS	61481	Evans Area
Admin. Sec.—M. Forsyth	-XS	61422	Evans Area
Engineering Sciences Department			
Dir.—E. J. Fister	-G	52525	2C118
Asst. Dir.—J. S. Van Nuys (Actg.)	-G	52333	4C126A
Tech. Opns.—W. V. Stine	-G	51151	4C126
Budget & Admin.—J. Salvatore	-G	52105	2C116
Fire & Safety—F. L. Burt	-G	52808	4C124
Communications Lno.—D. F. McMurray	-G	52122	2D114
ELECTROMAGNETIC ENVIRONMENT DIVISION			
Dir.—J. J. Egli (Actg.)	-GF	51638	2C322
Dep. Dir.—R. H. Sugarman (Actg.)	-GF	51044	2C322
Asst. Dir.—J. J. O'Neil (Actg.)	-GF	51877	2C328B
Admin. Sec.—R. A. Everett	-GF	52656	2C324
BRANCHES			
Project Monmouth Military Dir.—	-GFM	52311	3C132B

Liberty 2-4000

	Symbol	Telephone Extension	Location
OPERATING ACTIVITIES (Cont.)			
Acting Chief—H. F. Hecker	-GFM	52311	3C132B
Suppression—B. R. Rippke (Actg.)	-GFS	52424	3C332
Vulnerability—S. Cohen (Actg.)	-GFV	61210	Rm. 152 Evans
Interference Analysis & Control—J. F. Chappell (Actg.)	-GFI	52143	2C318A
ENGINEERING DESIGN DIVISION			
Dir.—C. Zelaites (Actg.)	-GD	52708	3C116B
Dep. Dir.—J. J. Wyly (Actg.)	-GD	51616	2C504A
Admin. Sec.—G. Heidemark	-GD	51947	2C506A
BRANCHES			
Applications Engr.—P. Griffith (Actg.)	-GDA	52216	3D132
Mechanical Engr.—P. Devraotes (Actg.)	-GDM	51419	2C504A
Mobility Engr.—S. Morford (Actg.)	-GDO	52517	2D317
Engr. & Drafting—M. Stout (Actg.)	-GDE	52220	2C420
Spec. & Tech. Data—D. O. Jones (Actg.)	-GDS	52066	2C400A
EQUIPMENT ANALYSIS DIVISION			
Dir.—T. Child (Actg.)	-GT	52436	4C124
Dep. Dir.—S. Tucci (Actg.)	-GT	52065	2C338A
Admin. Sec.—L. Farley	-GT	51942	2C340A
BRANCHES			
Instrumentation—A. Rosenblum (Actg.)	-GTI	52266	2C330
Facilities—H. Shore (Actg.)	-GTF	52009	2C340B
Equipment Evaluation—L. Kugler (Actg.)	-GTE	52659	3D125A
FABRICATION DIVISION			
Dir.—S. Mader	-GS	51313	1B400
Admin. Sec.—A. Lucia	-GS	51514	1B400
SERVICE AND SUPPORT ACTIVITIES			
ADMINISTRATIVE DIVISION			
Chief—P. J. Wall	-AD	51177	3D113
Dep. Chief—H. E. North	-AD	52860	3D113
BRANCHES			
Adjutant—Maj F. J. Haynes	-ADJ	51333	2D113B
Pictorial & Repro.—T. E. Catelli	-ADP	51508	1AB136B
Tech. Documents Center—T. J. Lalli	-ADT	51054	2C122
TECHNICAL INFORMATION DIVISION			
Chief—L. Rokaw	-TN	52159	3D133
Dep. Chief—D. W. Wixon (Actg.)	-TN	52184	3D133
BRANCHES			
Rpts. & Info. Dissem.—W. J. Chiego (Actg.)	-TNR	52160	3D135
SCTC Sec.—	-SCTC	52478	4C220
Presentations & Tech. Intelligence J. O. Wilson	-TNP	52934	3D137
Special Assignments—G. E. Moise (Actg.)	-TNS	52185	3D131
TECHNICAL ILLUSTRATIONS			
Chief—B. H. Christenson	-TI	51409	2C108
Dep. Chief—S. B. Pierce, Jr.	-TI	51409	2C112
Production—J. M. Herman	-TI	51409	2C110
SECURITY DIVISION			
Chief—E. M. McDermott	-TS	51641	3D127
Dep. Chief—C. E. Taylor	-TS	52633	3D127
Asst. Chief—	-TS	51466	3D127
BRANCHES			
Hexagon Security—F. R. Hayden	-TSH	52658	Lobby
Evans Security—J. S. Campbell	-TSE	61122	Evans Area
Visitor Control & Ident.—Mrs. K. Pigage	-TSV	52859	Lobby
LOGISTICS DIVISION			
Chief—Maj L. A. Duffield	-LO	51196	3C110B
Dep. Chief—Capt W. T. McBreen	-LO	51197	3C110B
Asst. Chief for Opns.—W. Greenwood	-LO	51435	3C108
Asst. Chief for Plans & Training—	-LO	52929	3D110B
Chief Inspector—J. Ginn	-LO	52830	3D108
Asst. to Chief for Opns.—E. Kirst	-LO	51535	3C108
Activity Supply Officer—A. Notaro	-LO	52377	0A404
Admin. Sec.—B. Walker	-LO	51851	3C109
BRANCHES			
Supply Services—C. Mullaney	-LOB	52684	3C109
Property Control—W. Lackey	-LOC	52416	0A404
Distribution—P. Gentile	-LOD	52953	Bldg. 2504, CWA
Imprest Fund—A. Fazzone	-LOI	52167	Bldg. 2506, CWA
Consumer Supply—R. Dorer	-LOS	51012	Bldg. 2502, CWA
LIAISON DIVISION			
Chief—C. L. Francis	-LN	52782 52634	4D121

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	Symbol	Telephone Number
Air Research Development Command Wright Air Development Center Wright-Patterson Air Force Base, Ohio Capt E. V. Norris	-LND	CLearwater 3-7111, X 29254
Bell Telephone Laboratories Whippany, N. J.	-LNW	TUcker 7-1000, X 2788
U. S. Army Ordnance Arsenal, Detroit Ordnance Tank Automotive Command Centerline, Michigan S. F. Tompos	-LNC	JEfferson 6-5000, X 25218
Lincoln Laboratory Lexington, Massachusetts Air Force Cambridge Research Center Col C. W. Janes	-LNL	VOlunteer 2-3370, X 671
Massachusetts Institute of Technology Cambridge, Massachusetts RLE Activities, Cruft Laboratory Harvard University Air Force Cambridge Research Center	-LNM	

Liberty 2-4000

	Symbol	Telephone Extension	Location
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Naval Research Laboratory Washington, D. C. Lt Col Edwin B. Hagerman	-LNN		JOhnson 3-6600, X 368
Rome Air Development Center Griffiss Air Force Base, New York Maj J. E. Walsh	-LNG		Rome 3-200, X 71111
Hq. US CONARC Fort Monroe, Virginia R. P. Lee	-LNP		PArk 2-7972, X 3103
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OFFICE OF RESEARCH OPERATIONS			
Dir.—H. A. Zahl	-RE	51136	3C124
Dep. Dir.—E. K. Kaprelin	-RE	52884	3C128
Asst. Dir. (Admin.)—R. O. Parker	-RE	52135	3D121
Staff—H. E. Inslerman	-RE	52371	3C130
J. L. Moncrief	-RE	52710	3C128
V. E. Reilly	-RE	51272	3C130
OFFICE OF TECHNICAL PLANS			
Dir.—H. W. Parmer	-DP	52112	3C134A
Tech. Asst.—W. Litchfield	-TP	51341	3C142
BRANCHES			
Communications—D. H. Hamsher	-TPC	51714	3C136
Signal Planning—R. H. Noyes	-TPS	52411	3C144
Surveillance—J. T. Evers	-TPD	51570	3C146
OFFICE OF ENGINEERING OPERATIONS			
Dir.—S. E. Petrillo	-EN	51171	3C118
Dep. Dir.—R. McKinley, Jr. (Actg.)	-EN	52918	3C114B
BRANCHES			
Radar-Countermeasures Engr.—C. L. Blair	-ENC	52683	3D116
Communications-Engineering—A. W. Day	-ENE	52757	3C117
Components & General Engr.—L. Kugler	-ENG	52659	3D125A
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Engrg. Programs—R. McKinley, Jr.	-ENP	52918	3C114B
OFFICE OF MANAGEMENT			
Dir.—F. A. Kineavy	-MM	51131	3C114A
BRANCHES			
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Management—J. F. Regan (Actg.)	-MMM	52534	3D105
Human Resources—J. F. Regan	-MMH	52534	3D105
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ATTACHED OR LIAISON OFFICERS			
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U. S. Continental Army Command Liaison Office Capt W. D. Bailey	-LNF	51483 61119	4D115 Evans Area
Corps of Engineers Liaison Office Maj H. L. Sinclair	-LNE	51517	4D117
Marine Corps Liaison Office Lt Col J. S. Reamy	-LNR	51284	4D119
U. S. Navy Electronics Liaison Office Cdr W. B. Hirst LCdr W. H. Wiederspahn	-LNS	51259 51020 51457	4D119 ASESA 4D119
Ordnance Liaison Office	-LNO	51433	4D115
U. S. A. Signal Intelligence Agency Liaison Office Mr. Woodrow Terry	-LNI	52909	3D130
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Signal Corps Meteorological Team Monmouth Commanding Officer—Capt Don W. Ridder	SIGPG-DMT-M	61247	Evans Area
U. S. Army Signal Electronics Research Unit P. O. Box 205, Mountain View, Calif. Commanding Officer—Lt Col Frank P. Rosso	SIGRU	YOrkshire 7-7069	
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	Symbol	Tel. Number
USASRDL Field Station No. 1 P. O. Box 262, Station F, Milwaukee 9, Wisconsin Commanding Officer—Capt J. Norman	-FSI	HOpkins 6-2900

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2. Locations shown are Bay numbers in Hexagon Building area, or building numbers as applicable

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Asst. Chief—Major J. G. Pelland	2D242	56831
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(Officer to be assigned)		22462
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WEST COAST OFFICE

United States Army Signal Research & Development Laboratories

Provides coverage of USASRDL research and development contractual effort within the west coast area to ensure adequate technical guidance and progress, and assists all organizational elements of the Chief Signal Officer in coordinating their activities on the west coast.

● Provides guidance to commercial organizations and scientific institutions engaged in USASRDL research and development.

● Furnishes technical data to USASRDL and interested Signal Corps organizations on facilities and technical abilities of contractors in the west coast area.

● Serves as the focal point in the west coast area for USASRDL public relations and the interchange of technical informationwith technical personnel and contractual concerns, academic and scientific institutions and other service organizations.

● Renders assistance to various Government contracting offices in the west coast area by performing suppression tests wherever MIL specifications are cited and provides engineering services to the various contractors in the design and testing of radio interference suppression systems.

● Upon request, supervises acceptance tests of equipment being developed by west coast contractors.

Interested West Coast Contractors should contact

MR. JULES KRAVETZ
Chief, Signal Corps, R&D West Coast Office
75 S. Grand Ave.
Bldg. 6
Pasadena 2, California

SIGNAL CORPS LOGISTICS EVALUATION GROUP

MISSION: Develops concepts and long range plans to resolve significant problems to insure the most effective and efficient logistics support for all customers of the U. S. Army Signal Corps.

In its search for improved and less costly methods of utilizing available human and material resources, the SCLE Group works very closely with government, military, industrial, and educational organizations. The interchange of ideas, knowledge, and experience has been exceedingly fruitful in the development of its projects. Results of this close working relationship are reflected in its studies embracing the areas of mechanization of supply accounting; transportation, storage, and containerization of dry batteries; utilization of contractual technical personnel; packaging; supply management of photographic film and paper; the impact of miniaturized, modularized, and micro-modularized equipment upon the entire supply system; quartz crystals; costs of Signal equipment; intratheater logistics support systems; an optimum logistics system for the Continental United States; increased reliability of Signal equipment; value engineering; and the application of automatic data processing systems to field armies.

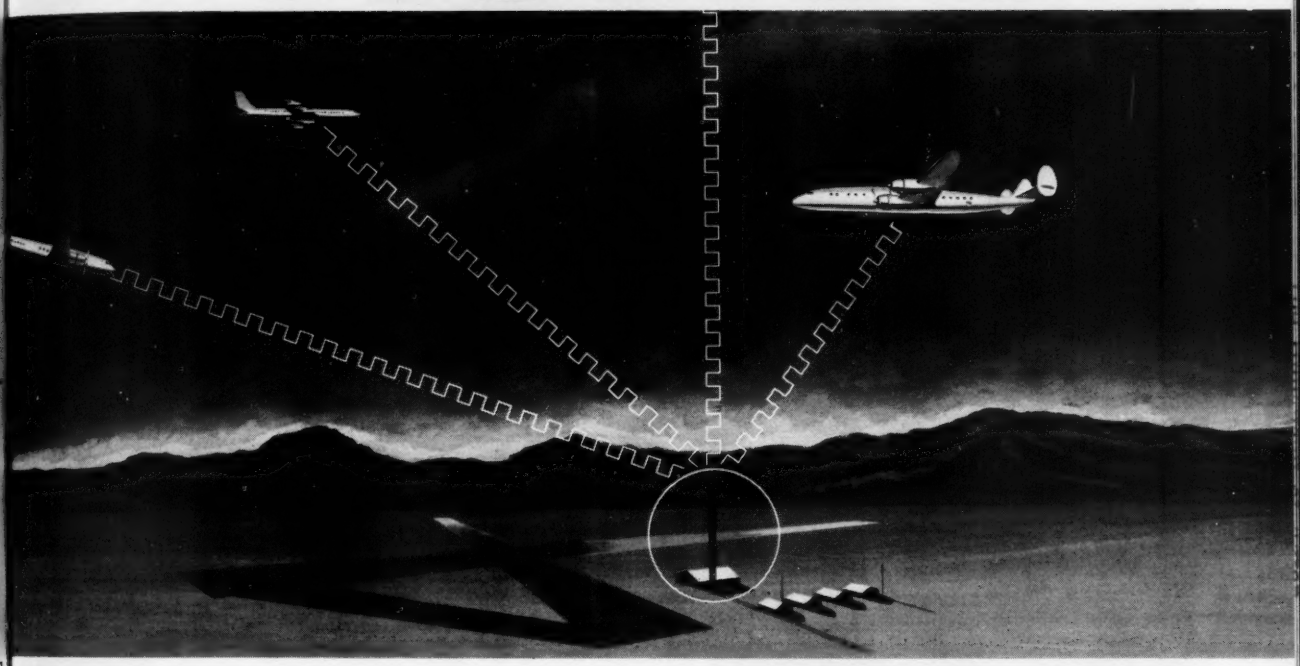
If you feel you can contribute to this program, you are invited to write or visit:

CHAIRMAN COLONEL ROLLA D. POLLOCK
or
EXECUTIVE SECRETARY BERNARD PEAR
Signal Corp Logistics Evaluation Group
225 South 18th St.
Philadelphia 3, Pennsylvania
Telephone: Kingsley 6-3200 Extensions 8387 or 580

new wings for words

AGACS

pronounced "AJAX"



AGACS, Experimental Automatic Ground/Air/Ground Communication System is a new concept in Air Traffic Control Communications to meet the accelerated pace of increased air traffic. Primary objectives are efficient usage of frequency spectrum, added safety through increased reliability and reduced burden to pilot and controller, and adaptability to all classes of aircraft. AGACS provides compatibility with existing ground and airborne communication equipment, selective addressing of information, and a minimum number of frequency changes during flight. The system utilizes two-way time division data transfer over existing ground and air communication links to provide an automatic, mutual exchange of information. The airborne facilities display to the pilot the last significant Air/Ground and Ground/Air message quantities, while the controller may recall from central memory-storage equipment the last Air/Ground and Ground/Air message quantities for display. The AGACS program is still in the developmental stage. In August, 1959, RCA provided initial models of both airborne and ground equipments for the Bureau of Research and Development of the Federal Aviation Agency for extensive experimentation and flight tests.

RADIO CORPORATION of AMERICA

DEFENSE ELECTRONIC PRODUCTS

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MORE NEWS FROM AC'S RESEARCH AND DEVELOPMENT

AC Spark Plug—the Electronics Division of General Motors—offers new evidence of its leadership in the field of electronics. As a result of three years of experimental development of passive microwave radiometry, AC has designed and constructed two high performance radiometric devices.

One is an airborne surveillance system, presenting a continuous strip map of the terrain being flown over by the aircraft. The other is a passive speed measuring system with possible applications to aircraft and missile systems.

Important future uses for radiometer techniques include long range detection of missiles, reconnaissance from satellites, aircraft blind landing, and terrain clearance indicator. AC's outstanding R & D Group is making important contributions toward the reality of these applications.

AC SPARK PLUG ⚛ THE ELECTRONICS DIVISION OF GENERAL MOTORS

U.S. ARMY SIGNAL SUPPLY AGENCY

Philadelphia, Pa.

NEWS BRIEFS FOR INDUSTRY

INDUSTRY "GOES TO SCHOOL"

Designed to strengthen the civilian-military team effort, the U. S. Army Signal Supply Agency last year held its first "Training with the U. S. Army Signal Corps" program.

In this new educational concept, the teachers were Activity heads of USASSA, and the pupils were high-ranking executives of industrial firms. Both groups were unanimous in pronouncing the experiment worth-while.

Plans for another session late this year are being formulated.

•

ARMY'S FIRST PACKAGING DATA CODING SYSTEM FOR PROCUREMENT USE PUBLISHED AT USASSA

A 9-element code, further identified by 15 letters, is the nucleus of the "Sig-Pak Manual," devised and published by USASSA. An important step toward the formulation of a common code for the Department of Defense, it will eliminate necessity for lengthy explanations of individual requirements and afford uniform treatment of all federal stock numbered items. It covers four fields: the general or over-all picture, packaging, packing and marking. Solicitations for bids and awards will include specific reference to that portion of the Sig-Pak Manual that applies.

If you have not received your copy, address your request to the Agency, attention of Technical Information Branch.

•

OFFICE SUPPLIES AND PRINTED MATERIAL

Over $25,000 annually is spent for Office supplies and Equipment.

Over $40,000 annually is expended for preparation of printed materials.

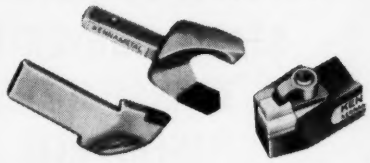
If interested in becoming a supplier in these areas, write Deputy for Administrative Services at the Signal Supply Agency.

No doubt about it...

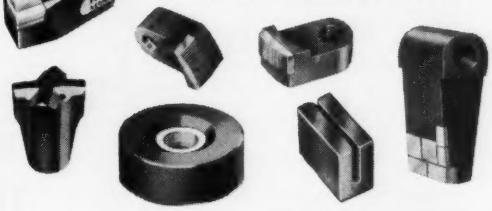
Reliability is a most important characteristic of KENNAMETAL*

Exceptional characteristics of Kennametal have solved varied problems in many fields. But one of the most important contributions made by Kennametal to any project is *reliable performance* . . . delivering the expected service and life under given conditions. That's why Kennametal is used more and more where it is found *or feared* that other materials just aren't good enough.

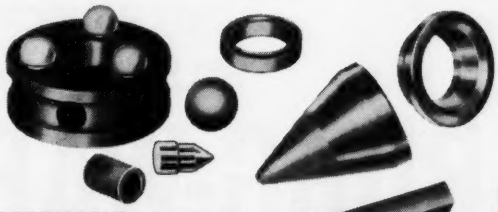
Will these *dependable* characteristics of KENNAMETAL hard carbide alloys help solve some of your problems?



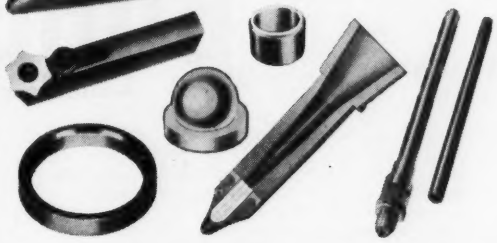
DEPENDABLE resistance to wear and impact . . . that provides long-lasting cutting tools for the mining, metalworking and woodworking industries. (Kennametal often wears up to 100 times longer than the hardest steel.)



DEPENDABLE resistance to abrasion . . . for such component parts as spray nozzles, orifices, seal rings, bushings, pulverizing hammers, drawing and compacting dies, non-lubricated guides and various gripping jaw applications.



DEPENDABLE resistance to corrosion, cavitation and wear . . . vital to valving in oil well operations, hydraulic systems, parts for chemical processing equipment exposed to strong mineral acids, red fuming nitric acid and similar highly corrosive agents.



DEPENDABLE strength at high temperatures . . . needed for gas turbine components, sensing elements for jet stream thermostatic controls, parts to handle or process glass in semi-plastic state, flame burner tips, hot rod mill guides, tip wear rings for scarfing torches. (Kentanium*, a series of hard titanium carbide alloys, retains high strength for continuous operation at temperatures up to 2200°F and provides high stiffness/weight ratio.)

DEPENDABLE resistance to deformation . . . required by spindles for precision grinding, grooving blades, boring bars, compressor cylinder liners and components for high pressure valves. (Kennametal has a YME up to 94 million psi, 3 times that of hardest steel.)

*Trademark 97227

For more information, send for: Booklet B-111A, "Characteristics of Kennametal," Booklet B-222, "Designing with Kennametal," Booklet B-444A, "Kentanium."

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U.S. ARMY SIGNAL CORPS SHOPPING LIST FOR FY—1960

Long Range Procurement Estimate of Major Categories of Electronic Equipment

CATEGORY	DOLLAR VALUE
AIR DEFENSE	$ 13,912,000
AVIONICS	20,280,035
COMBAT SURVEILLANCE	58,989,000
ELECTRONIC WARFARE	4,000,000
METEOROLOGICAL	807,827
PHOTOGRAPHIC	2,016,740
POWER UNITS	6,997,810
RADIAC EQUIPMENT	1,502,140
TACTICAL COMMUNICATION	111,613,104
TOOLS & TEST EQUIPMENT	2,409,520
SUPPORT VEHICLES	4,145,000
MISCELLANEOUS	1,099,834

Long Range Procurement Estimate of Electron Tubes (Partial Listing)

FEDERAL STOCK NO.	TYPE	QTY.
5960-100-5130	1L4	163,530
5960-166-7664	12AX7	109,513
5960-188-0829	1AD4	101,073
5960-188-0844	1U5	105,102
5960-188-3595	1T4	160,000
5960-188-3952	1S5	156,904
5960-188-8566	6AG5	105,762
5960-230-5262	5678	155,339
5960-262-0167	12AT7WA	173,550
5960-262-G185	5726/6AL5W	142,884
5960-262-0210	5814A	139,655
5960-262-0315	1N21C	105,530
5960-262-1357	5654/6AK5W	242,631
5960-108-0259	3C45	10,940
5960-114-4885	2E22	10,467
5960-188-3915	5763	130,486
5960-188-3954	1S5	160,344
5960-188-8632	393A	26,414
5960-247-8748	5842	71,082
5960-248-1274	5879	21,376
5960-272-8552	5998	35,225
5960-284-6516	1N198	54,545
5960-503-4880	OA2WA	46,456
5960-543-0219	6AN5WA	80,000
5960-543-1128	6J4WA	75,853
5960-581-8066	1N69A	160,000
5960-646-4259	1N458	15,086
5960-116-9960	371B	13,267
5960-188-0827	26A6	42,112
5960-188-0880	6X4W	57,705
5960-188-6584	5670	121,063
5960-193-5135	5676	73,492
5960-248-3058	5933	14,533
5960-284-6134	1N23C	33,508

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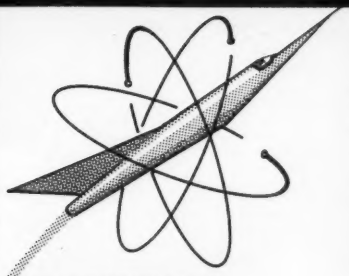

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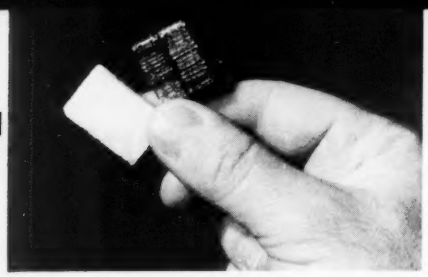
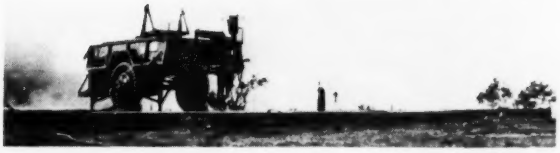


RECENT DEVELOPMENTS of the U.S. Army Signal Corps

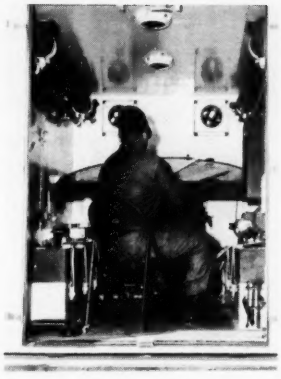
1 The electronics of a radio receiver built by RCA under contract by the U.S. Army Signal Research and Development Laboratory, Ft. Monmouth, are slightly smaller than a lump of sugar thanks to the "micro-module" concept development which has been pushed into fruitful hardware through Signal Corps research and industry contracts.

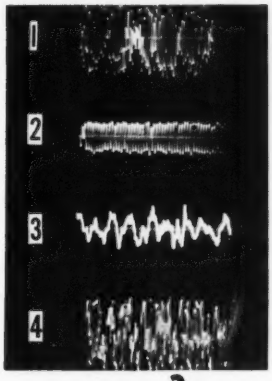
2 Built for the U.S. Army Signal Corps by Rheem Manufacturing Co., the SD-2 surveillance drone does a big sized reconnaissance job with a small sized pilotless aircraft as the carrying vehicle. Controlled from a remote point on the ground, the SD-2 drone can scout enemy positions, use photography, television or other electronic devices to send or bring back information.



2

3 Demonstrating an almost-human ability to tell differences in targets, a new Signal Corps surveillance radar can distinguish between trains, vehicles, tanks, and even tell the differences between men and women. Called the AN/TPS-25 officially but nicknamed the "Tipsy 25", the new radar is shown being operated by a soldier on the left picture and the right shows the differences in scope presentation for (1) a train, (2) an automobile, (3) a walking man, and (4) a walking girl. The Tipsy 25 is produced for the Signal Corps by the Hazeltine Corporation of Little Neck, N. Y.



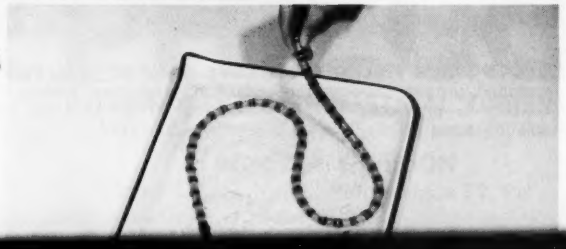


3

4 Messages pour out of this high speed message printer at the phenomenal speed of 3,000 words per minute—more than 6 feet a minute. The new device is the world's fastest general-purpose message printer and was developed jointly by the Burroughs Corporation Research Center and the U.S. Army Signal R&D Lab, Ft. Monmouth.

4

5 The "Snake Battery" was developed by the Chemical Division of Aerojet-General Corporation for the U.S. Army Signal Corps Research and Development Laboratory, Ft. Monmouth. It is strung on submarine communications cables to power repeaters. The flexible zinc-silver chloride batteries, activated when immersed in water, unwind easily from cable drums.



5

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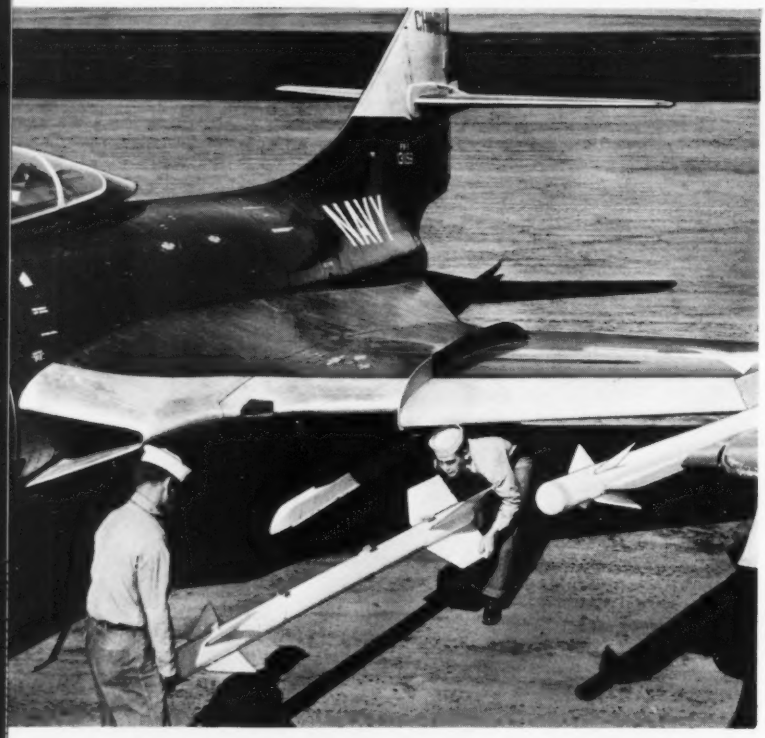

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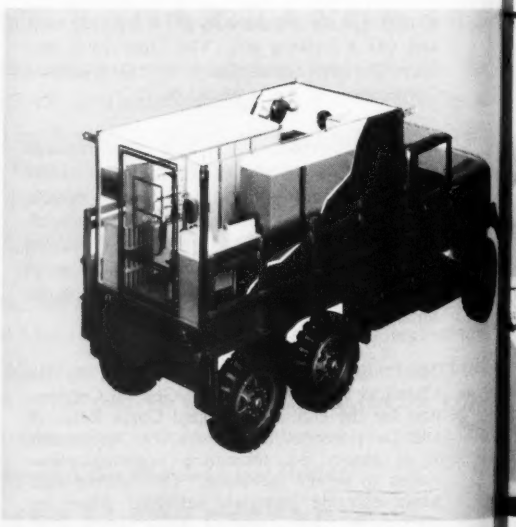

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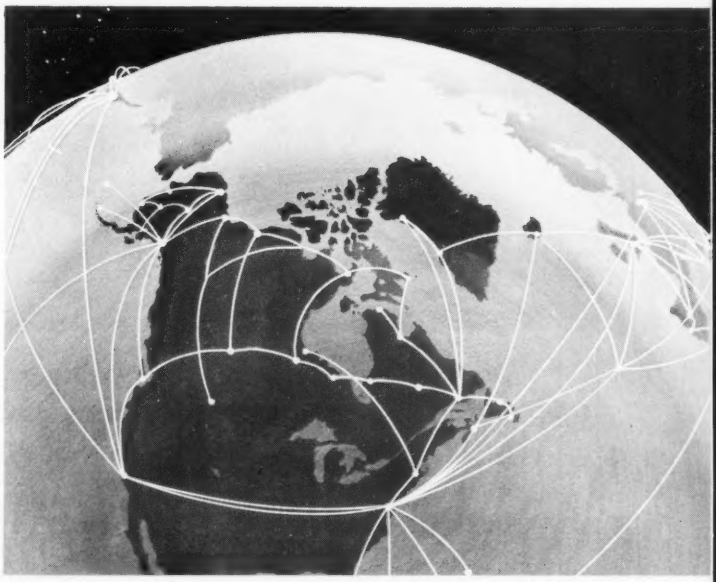

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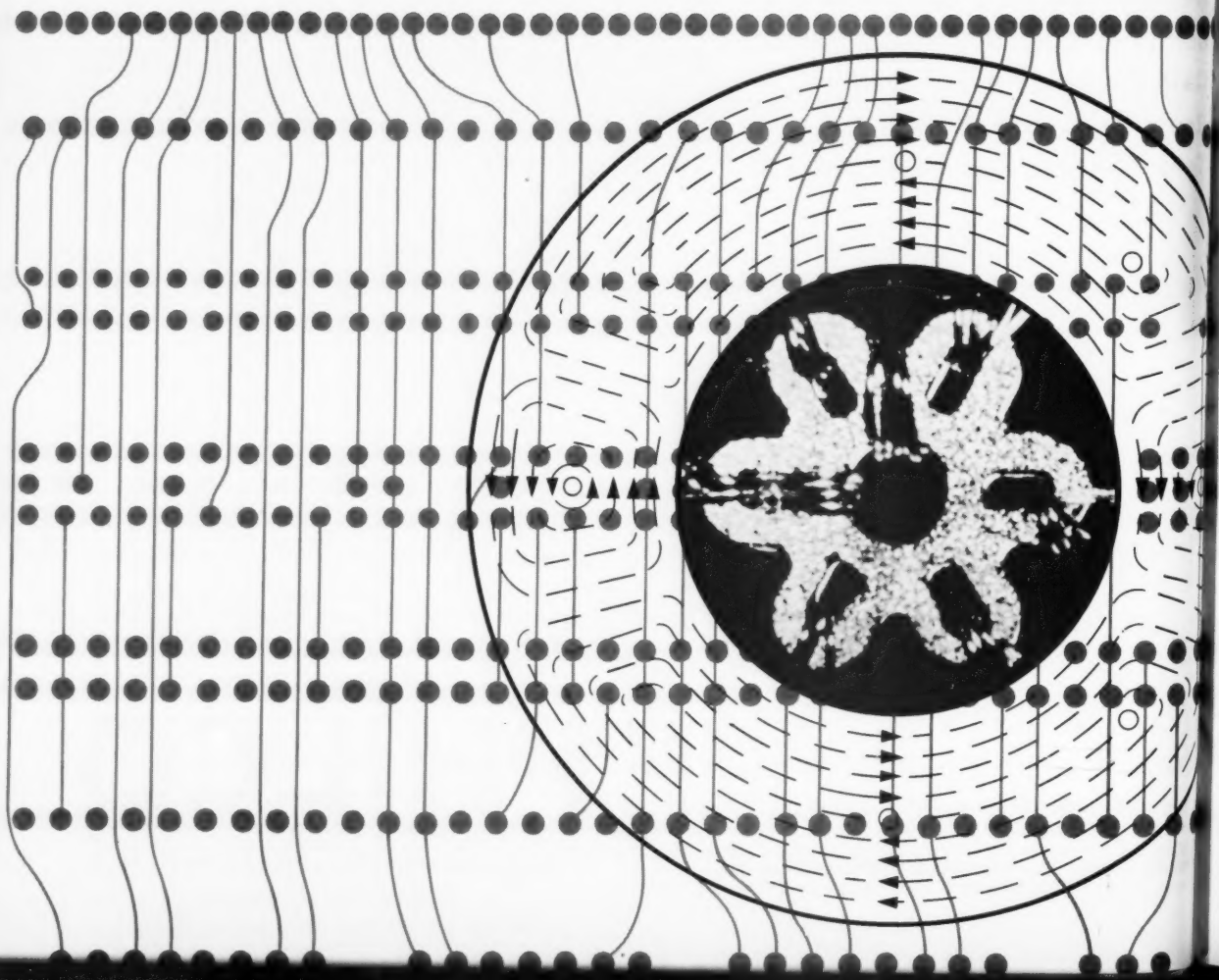

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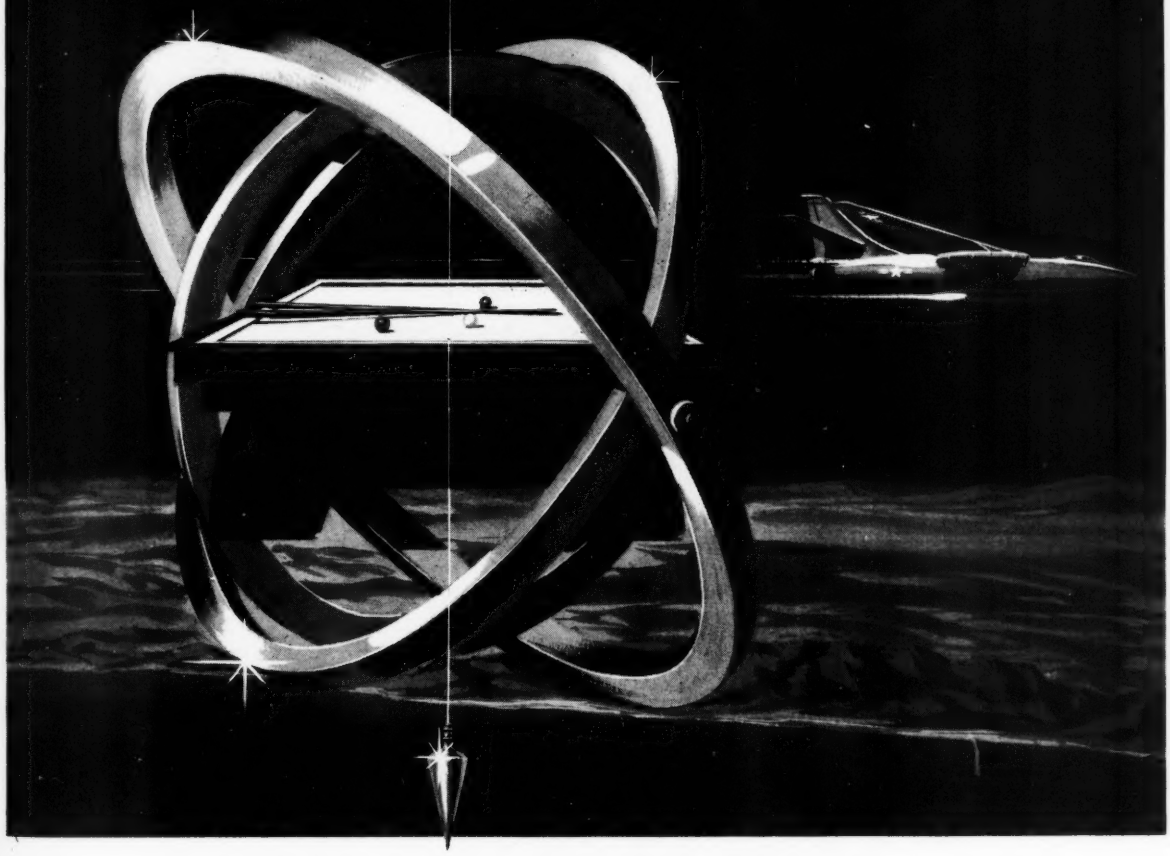

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This system was developed in Admiral's Palo Alto Laboratory by the Advanced Development Section, Government Laboratories Division. Complete information concerning the Laboratory's capabilities and current activities is available to qualified persons.

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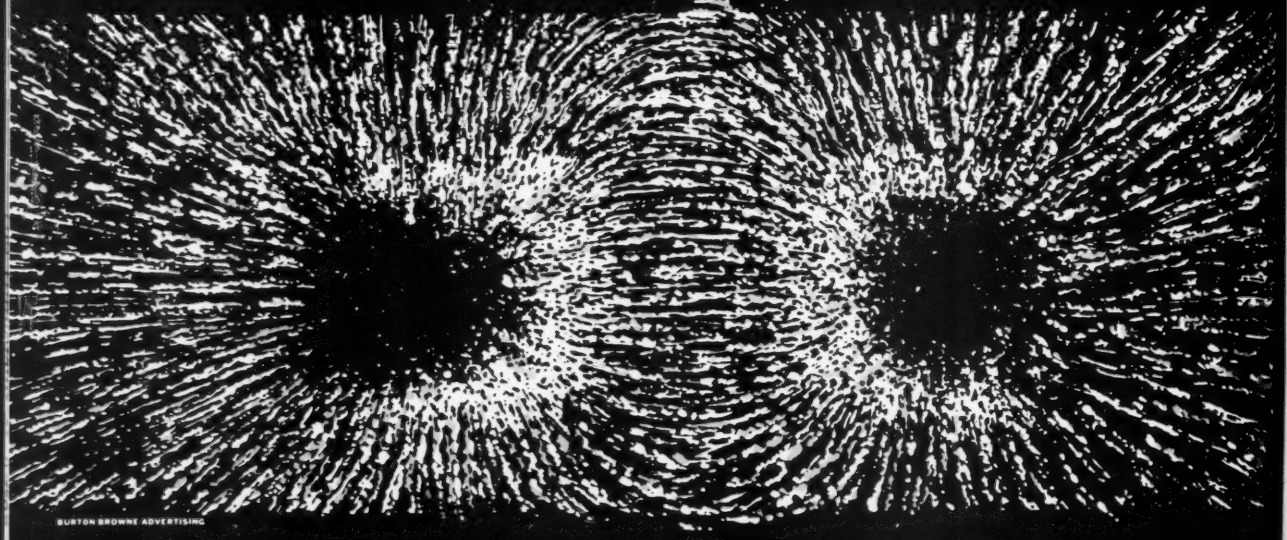

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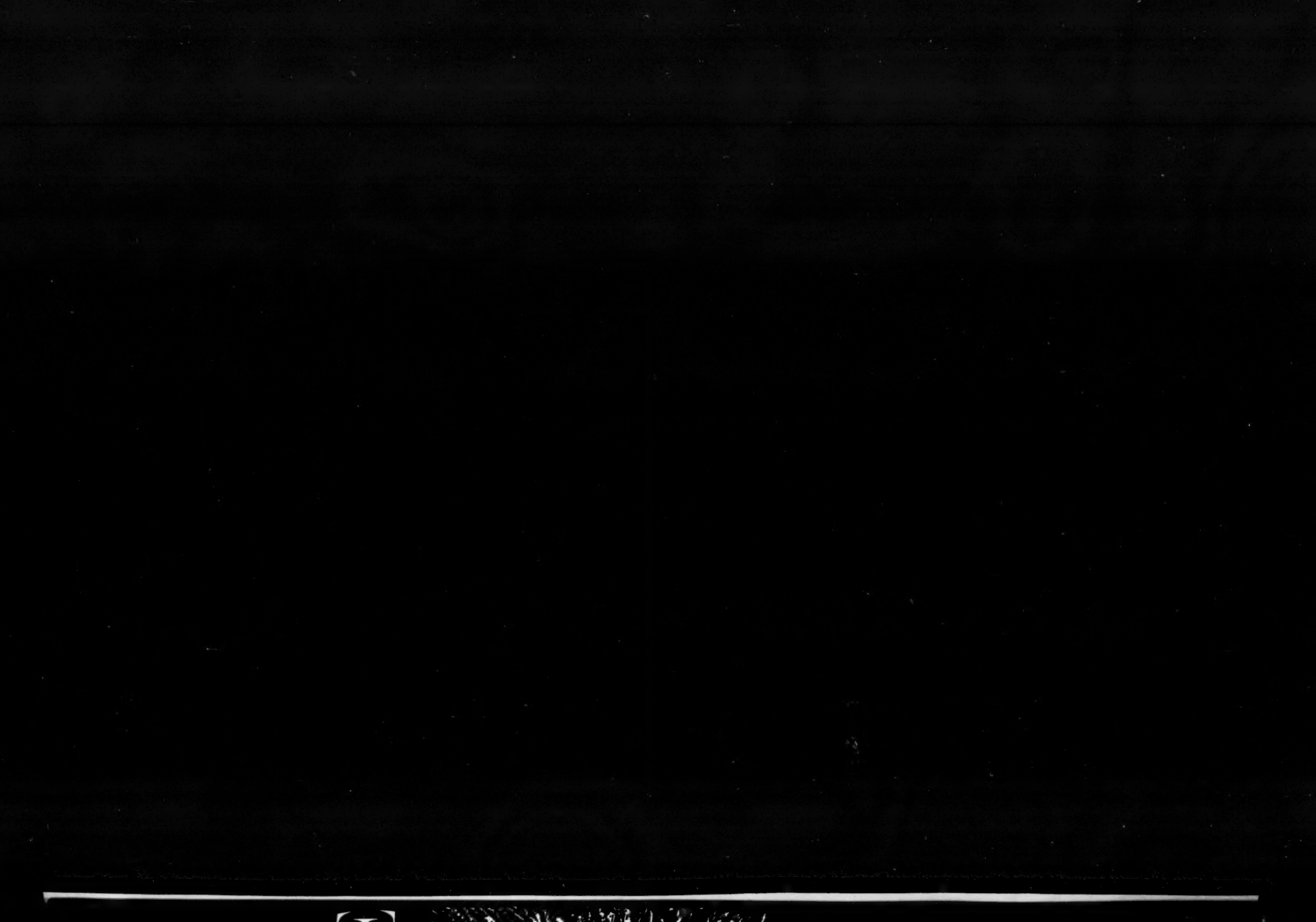

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